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#### Technical instructions

MyVallox ventilation units can be controlled with building automation systems compatible with Modbus RTU. Up to 32 MyVallox ventilation units can be connected to one Modbus. Controlling the ventilation unit with a building automation system enables the user to, for example, read various sensor data and change the ventilation unit's mode.





#### **GENERAL**

All changes implemented through user interfaces can also be done through Modbus RTU. Modbus TCP is not supported.

The data format is always a 16-bit unsigned number, and all the registers contain integers without bit-masked structures.

All the registers are holding registers.

The scaling factor is 1, except for temperatures (cK).

### Supported function codes

- Read holding registers, 0x03
- Write one register, 0x06
- Write multiple registers, 0x10

It is prohibited to write in undefined registers. This triggers an error code. This must be taken into account when writing in multiple registers at the same time.

- It is NOT possible to write in registers 20504–20508.
   Register 20504 is undefined.
- It is possible to write in registers 20505–20508. These registers are defined and they can be written in.

It is prohibited to write in Read-only registers. This triggers an error code.

It is prohibited to enter values outside the permitted range. This triggers an error code.

#### **MODBUS SETTINGS**

If the ventilation unit is connected to, for example, a building automation system via Modbus, configure the following Modbus settings:

- · Ventilation unit's Modbus address
- · Modbus's baud rate
- Modbus parity
- Modbus stop bit

These instructions describe how these settings are configured with a MyVallox Control panel, MyVallox Touch panel or www user interface. These instructions also describe how to configure individual settings, such as the Modbus address.

# SWITCHING FROM ONE MODE TO ANOTHER

The ventilation unit has two basic modes: At Home and Away. One of these modes is always selected.

The basic mode can be read and set in register 4609,
 0 = At Home and 1 = Away.

#### Timed modes

The ventilation unit also has three timed modes: Boost, Custom and Programmable. The timed modes override the basic mode temporarily. The desired mode is activated by entering the duration in the mode's timer register. The mode is activated and the timer register starts to count down. When all the timed modes' timer registers reach zero, the ventilation unit returns to the basic mode.

- 4612 = Boost mode timer register
- 4613 = Custom mode timer register
- 4614 = Programmable mode timer register

A timed mode can be set to continue indefinitely by entering value 65535 in the mode's timer register. This prevents the timer from counting down until the timer register is re-set manually or the mode is switched from another user interface.

The timer can also be deactivated from the corresponding timer switch register, 0 = timer off and 1 = timer on. This also prevents the use of timers through all user interfaces.



#### NOTE

If a MyVallox digital input is used to switch the mode, the timer switch register content is also modified.

- 21766 = Register enabling the Boost timer
- 21767 = Register enabling the Custom timer
- 21772 = Register enabling the Programmable timer





#### **EXAMPLES**

#### **Activating the Custom mode for 15 minutes**

- Enter 15 in register 4613.
- Enter 1 in register 21767 (if not yet entered).

## Activating the Boost mode without a timer (permanent mode)

#### Method 1:

Enter 65535 in register 4612.

#### Method 2:

- Enter any value (other than 0) in register 4612.
- Enter 0 in register 21766.

## Deactivating the Boost mode, return to the selected basic mode (Away/At Home)

- Enter 0 in register 4612.
- Alternatively, enter 0 in registers 4613, 4614 to deactivate all the timed modes.

## Switching from the At Home mode to the Away mode

- Enter 1 in register 4609.
- Alternatively, enter 0 in registers 4612, 4613, 4614 to deactivate all the timed modes.

## **PRIORITY MODE**

If more than one mode is active simultaneously, the mode with the highest priority overrides the other modes. For example, if the Custom mode and Boost mode are active simultaneously, the ventilation unit uses the Custom mode. The priority order of the modes:

- 1. Programmable
- 2. Custom
- 3. Boost
- 4. At Home/Away (default)

# CUTTING OFF POWER TO THE UNIT

You can cut off power to the unit by entering "5" in register 4610. The power is turned on by entering "0" in register 4610.

#### DATA CONVERSION FORMULA



#### NOTE

The temperatures are given in centikelvins.

- Temperature in Celsius degrees = (temperature in centikelvins-27315)/100
- Temperature in centikelvins = (temperature in Celsius degrees\*100)+27315



#### **FAULT SITUATIONS**

The fault notification status is readable in register 4621. Register 4621 only switches to 1 when a critical fault that stops the unit is activated. Faults that do not stop the unit do not change the register status.

0 = normal operation, 1 = critical fault, unit stopped. The fault type is shown in the MyVallox user interface or through Modbus by following the instructions below.

| register | name                  | R/RW | min | max | type | description                             |
|----------|-----------------------|------|-----|-----|------|---|
| 3x4621   | CRITICAL FAULT ACTIVE | R    | 0   | 1   |      | Unit critical fault active, unit is off |

## Reading different fault situations

Register 36865 shows the total number of acknowledged and active faults.

| register | name              | R/RW | min | max | type | description           |
|----------|-------------------|------|-----|-----|------|-----------------------|
| 3x36865  | TOTAL FAULT COUNT | R    | 0   | 33  |      | Total count of faults |

## **Reading faults**

The table shows the faults in the order of their occurrence. For example, if the total number of faults is 1, read the fault code in register 36866 and check in register 36871 if the fault is active or if it has been acknowledged.

| register | name              | R/RW | min | max | type | description                          |
|----------|-------------------|------|-----|-----|------|--------------------------------------|
| 3x36866  | FAULT 1           | R    | 0   | 50  |      | Fault 1 code                         |
| 4x36871  | FAULT 1 ACTIVITY  | R/W  | 0   | 1   |      | Fault 1 state [0= active,1= solved]  |
| 3x36872  | FAULT 2           | R    | 0   | 50  |      | Fault 2 code                         |
| 4x36877  | FAULT 2 ACTIVITY  | R/W  | 0   | 1   |      | Fault 2 state [0= active,1= solved]  |
| 3x36878  | FAULT 3           | R    | 0   | 50  |      | Fault 3 code                         |
| 4x36883  | FAULT 3 ACTIVITY  | R/W  | 0   | 1   |      | Fault 3 state [0= active,1= solved]  |
| 3x36884  | FAULT 4           | R    | 0   | 50  |      | Fault 4 code                         |
| 4x36889  | FAULT 4 ACTIVITY  | R/W  | 0   | 1   |      | Fault 4 state [0= active,1= solved]  |
| 3x36890  | FAULT 5           | R    | 0   | 50  |      | Fault 5 code                         |
| 4x36895  | FAULT 5 ACTIVITY  | R/W  | 0   | 1   |      | Fault 5 state [0= active,1= solved]  |
| 3x36896  | FAULT 6           | R    | 0   | 50  |      | Fault 6 code                         |
| 4x36901  | FAULT 6 ACTIVITY  | R/W  | 0   | 1   |      | Fault 6 state [0= active,1= solved]  |
| 3x36902  | FAULT 7           | R    | 0   | 50  |      | Fault 7 code                         |
| 4x36907  | FAULT 7 ACTIVITY  | R/W  | 0   | 1   |      | Fault 7 state [0= active,1= solved]  |
| 3x36908  | FAULT 8           | R    | 0   | 50  |      | Fault 8 code                         |
| 4x36913  | FAULT 8 ACTIVITY  | R/W  | 0   | 1   |      | Fault 8 state [0= active,1= solved]  |
| 3x36914  | FAULT 9           | R    | 0   | 50  |      | Fault 9 code                         |
| 4x36919  | FAULT 9 ACTIVITY  | R/W  | 0   | 1   |      | Fault 9 state [0= active,1= solved]  |
| 3x36920  | FAULT 10          | R    | 0   | 50  |      | Fault 10 code                        |
| 4x36925  | FAULT 10 ACTIVITY | R/W  | 0   | 1   |      | Fault 10 state [0= active,1= solved] |

## Fault code explanations

| fault code | explanation                            | fault code | explanation                            |
|------------|--|------------|--|
| lault code | explanation                            | lauit code | explanation                            |
| 0          | No fault                               | 8          | Supply air from HR cell sensor failure |
| 1          | Extract fan failure                    | 9          | Extract airflow sensor                 |
| 2          | Supply fan failure                     | 10         | Optional temperature sensor failure    |
| 3          | Supply airflow sensor                  | 11         | High supply air temperature            |
| 4          | Extract air temperature sensor failure | 12         | Water radiator freezing prevention     |
| 5          | Outdoor air temperature sensor failure | 23         | Low supply air temperature             |
| 6          | Supply air temperature sensor failure  | 25         | Supply airflow is not achieved         |
| 7          | Exhaust air temperature sensor failure | 26         | Extract airflow is not achieved        |





### Modbus settings with MyVallox controllers

- => Expert settings
- => I/O and bus settings
- => Modbus settings
- => Set the ventilation unit's Modbus address. You can select the address between 1–247.
- => Set the Modbus's baud rate. The options are 9600, 19200, 38400, 57600 or 115200.
- => Set the Modbus buttons. The options are:
  - no No parity
  - even Even parity
  - odd Odd parity.
- => Set the Modbus stop bit. The options are 1 or 2.
- => Confirm the settings by selecting **OK**.

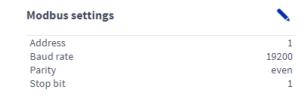
## Modbus settings with a WWW user interface

The Modbus settings of the MyVallox ventilation unit can also be set via a WWW user interface. There are two options:

- MyVallox Home LAN connection
- MyVallox Cloud cloud service

It is recommended the Modbus settings be set when the unit is commissioned to save them automatically as default settings.

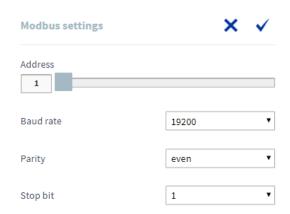
- 1. Select Expert settings.
- 2. Scroll down the view until you find the Modbus settings.



Select Edit:



4. The Modbus settings view opens for editing:



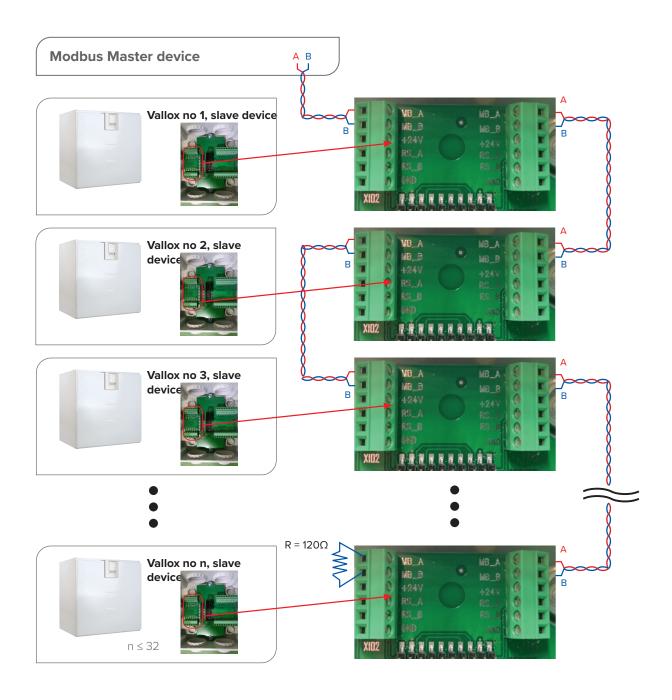
- Set the ventilation unit's Modbus address in the Address field. You can use the blue slide control to set the address. You can select the address between 1–247.
- Select the Modbus's baud rate in the Baud rate menu. The options are 9600, 19200, 38400, 57600 or 115200.
- Select the Modbus's parity in the Parity menu. The options are:
  - no No parity
  - even Even parity
  - odd Odd parity.
- Set the Modbus stop bit in the Stop bit field. The options are 1 or 2.
- 9. Select OK.



10. The Modbus settings are now set.



## **ELECTRIC DIAGRAM**







#### **MODBUS REGISTERS**

### Reading temperature and sensor data

Temperatures are read in centikelvins.

Conversion formula: Temperature in Celsius degrees = (temperature in centikelvins-27315)/100

| register | name                        | R/RW | min   | max   | type | description   |
|----------|-----------------------------|------|-------|-------|------|---|
| 3x4354   | EXTRACT AIR TEMPERATURE     | R    | 21000 | 33224 | cK   | Read current extract air temperature in cK  |
| 3x4355   | EXHAUST AIR TEMPERATURE     | R    | 21000 | 33224 | cK   | Read current supply air from cell temperature in cK   |
| 3x4356   | OUTDOOR AIR TEMPERATURE     | R    | 21000 | 33224 | cK   | Read current outdoor air temperature in cK  |
| 3x4357   | SUPPLY CELL AIR TEMPERATURE | R    | 21000 | 33224 | cK   | Read current supply air from cell temperature in cK   |
| 3x4358   | SUPPLY AIR TEMPERATURE      | R    | 21000 | 33224 | cK   | Read current supply air temperature in cK   |
| 3x4389   | OPTIONAL SENSOR TEMPERATURE | R    | 20000 | 33224 | cK   | Read current optional external temperature in cK  |
| 3x4363   | RH VALUE                    | R    | 0     | 100   | RH%  | Read current RH measurement, 0 = No sensor installed.<br>Shows the highest value if multiple sensors installed. |
| 3x4364   | CO2 VALUE                   | R    | 0     | 10000 | PPM  | Read current CO2 value, 0 = No sensor installed Shows the highest value if multiple sensors installed.          |

## Reading and writing the temperature and sensor settings

**Humidity and carbon dioxide sensors** 

| register | name              | R/RW | min | max   | type | description   |
|----------|-------------------|------|-----|-------|------|---|
| 4x20490  | RH TRESHOLD       | R/W  | 0   | 65535 | %    | Set and read the RH level, 65535 = RH level calibration ongoing           |
| 4x20499  | AWAY RH CONTROL   | R/W  | 0   | 1     |      | Read and set RH control in use in away mode [0=not in use, 1 = in use]    |
| 4x20505  | HOME RH CONTROL   | R/W  | 0   | 1     |      | Read and set RH control in use in at home mode [0=not in use, 1= in use]  |
| 4x20511  | BOOST RH CONTROL  | R/W  | 0   | 1     |      | Read and set RH control in use in boost mode [0=not in use, 1= in use]    |
| 4x20491  | CO2 THRESHOLD     | R/W  | 500 | 2000  | PPM  | Set and read the CO2 threshold  |
| 4x20500  | AWAY CO2 CONTROL  | R/W  | 0   | 1     |      | Read and set CO2 control in use in away mode [0=not in use, 1 = in use]   |
| 4x20506  | HOME CO2 CONTROL  | R/W  | 0   | 1     |      | Read and set CO2 control in use in at home mode [0=not in use, 1= in use] |
| 4x20512  | BOOST CO2 CONTROL | R/W  | 0   | 1     |      | Read and set CO2 control in use in boost mode[0=not in use, 1 = in use]   |

## Supply air temperature settings

Temperatures are written and read in centikelvins.

Conversion formula: Temperature in centikelvins = (temperature in Celsius degrees\*100)+27315

| register | name                       | R/RW | min   | max   | type | description  |
|----------|----------------------------|------|-------|-------|------|--|
| 4x20502  | AWAY SUPPLY TEMP SETTING   | R/W  | 27815 | 29815 | cK   | Read and set supply air temperature setting in away mode (cK)          |
| 4x20508  | HOME SUPPLY TEMP SETTING   | R/W  | 27815 | 29815 | cK   | Read and set supply air temperature setting in at home mode (cK)       |
| 4×20514  | BOOST SUPPLY TEMP SETTING  | R/W  | 27815 | 29815 | cK   | Read and set supply air temperature setting in boost mode (cK)         |
| 4x20497  | CUSTOM SUPPLY TEMP SETTING | R/W  | 27815 | 29815 | cK   | Read and set supply air temperature setting in custon mode (cK)        |
| 4x20493  | PROG. INPUT TEMP SETTING   | R/W  | 27815 | 29815 | cK   | Read and set supply air temperature setting in programmable input (cK) |



## Controlling the ventilation unit

| register | name               | R/RW | min | max | type | description  |
|----------|--------------------|------|-----|-----|------|--|
| 4x4609   | HOME/AWAY          | R/W  | 0   | 1   |      | Set the unit to At Home or Away mode [0=Home, 1= Away] |
| 4x4610   | SWITCH UNIT ON/OFF | R/W  | 0   | 5   |      | Switch the unit off or on [0=on, 5 = off]              |

#### Vallox MV units (% control)

| register | name                              | R/RW | min | max | type | description   |
|----------|-----------------------------------|------|-----|-----|------|---|
| 4x20501  | AWAY SPEED SETTING                | R/W  | 0   | 100 | %    | Read or set the fan speed setting for away mode, 0-100%           |
| 4x20507  | HOME SPEED SETTING                | R/W  | 0   | 100 | %    | Read or set the fan speed setting for at home mode, 0-100%        |
| 4x20513  | BOOST SPEED SETTING               | R/W  | 0   | 100 | %    | Read or set the fan speed setting for boost mode, 0-100%          |
| 4x20487  | CUSTOM EXTRACT SPEED SETTING      | R/W  | 0   | 100 | %    | Read or set the Extract fan speed setting at custom mode, 0-100%  |
| 4x20488  | CUSTOM SUPPLY SPEED SETTING       | R/W  | 0   | 100 | %    | Read or set the Supply fan speed setting at custom mode, 0-100%   |
| 4x20494  | PROG. INPUT EXTRACT SPEED SETTING | R/W  | 0   | 100 | %    | Read or set the Extract fan speed at programmable input, 0-100%   |
| 4x20495  | PROG. INPUT SUPPLY SPEED SETTING  | R/W  | 0   | 100 | %    | Read or set the Supply fan speed at at programmable input, 0-100% |
| 4x20485  | EXTR_FAN_BALANCE_BASE             | R/W  | 0   | 100 | %    | Extract fan speed balance ground value                            |
| 4x20486  | SUPP_FAN_BALANCE_BASE             | R/W  | 0   | 100 | %    | Supply fan speed balance ground value                             |

#### MyVallox CFi units (I/s or m³/h)

Note! The air volume cannot be higher or lower than the maximum or minimum airflow of the ventilation unit.

- MyVallox CFi unit's maximum airflow (unit\_max) can be read in register 46031
- MyVallox CFi unit's minimum airflow (unit $\_$ min) can be read in register 46032

| register | name                                | R/RW | min          | max          | type           | description   |
|----------|-------------------------------------|------|--------------|--------------|----------------|---|
| 4x20501  | AWAY AIRFLOW SETTING                | R/W  | unit_<br>min | unit_<br>max |                | Read or set the fan speed setting for away mode (I/s or m3/h)   |
| 4x20507  | HOME AIRFLOW SETTING                | R/W  | unit_<br>min | unit_<br>max |                | Read or set the fan speed setting for at home mode (I/s or m3/h)  |
| 4x20513  | BOOST AIRFLOW SETTING               | R/W  | unit_<br>min | unit_<br>max |                | Read or set the fan speed setting for boost mode (I/s or m3/h)  |
| 4x20487  | CUSTOM EXTRACT AIRFLOW SETTING      | R/W  | unit_<br>min | unit_<br>max |                | Read or set the Extract fan speed setting at custom mode (I/s or m3/h)  |
| 4x20488  | CUSTOM SUPPLY AIRFLOW SETTING       | R/W  | unit_<br>min | unit_<br>max |                | Read or set the Supply fan speed setting at custom mode (I/s or m3/h)   |
| 4x20494  | PROG. INPUT EXTRACT AIRFLOW SETTING | R/W  | unit_<br>min | unit_<br>max |                | Read or set the Extract fan speed at programmable input (I/s or m3/h)   |
| 4x20495  | PROG. INPUT SUPPLY AIRFLOW SETTING  | R/W  | unit_<br>min | unit_<br>max |                | Read or set the Supply fan speed at at programmable input (I/s or m3/h)   |
| 4x32779  | CFI LIMITER                         | R/W  | 0            | 1            | off/on         | Enables CF limiter [0 = off, 1 = on]  |
| 3x32780  | CFI LIMITER ACTIVE                  | R    | 0            | 1            | false/<br>true | Limiter activated [0 = no, 1 = yes]   |
| 3x32781  | CFI SUPPLY FANLOAD LEVEL            | R    | 0            | 10           |                | Supply fan load indicator, scales from 0–10 [0 = no load, 10 = max load]  |
| 3x32782  | CFI EXTRACT FANLOAD LEVEL           | R    | 0            | 10           |                | Extract fan load indicator, scales from 0–10 [0 = no load, 10 = max load]   |
| 4x46031  | CONSTANT FAN MAX VALUE              | R/W  | 0            | 2000         | l/s or<br>m³/h | Units defined the maximum airflow. The default value is taken from the configuration number and edited by airflow tests. Editing this by hand is not recommended. |
| 4x46032  | CONSTANT FAN MIN VALUE              | R/W  | 0            | 300          | l/s or<br>m³/h | Units defined minimum airflow. The default is taken from the configuration number. Editing this by hand is not recommended.                                       |





## **Timers**

| register | name                      | R/RW | min | max   | type    | description  |
|----------|---------------------------|------|-----|-------|---------|--|
| 4x4612   | BOOST MODE TIMER          | R/W  | 0   | 65535 | minutes | Set and read Boost timer time (time that is set in the timer). Timer is enabled from register 21766. 65535 = Timed mode runs indefinitely. The timer is not used when 65535 is written to this register.     |
| 4x20544  | BOOST MODE TIME           | R/W  | 1   | 65535 | minutes | Set and read Boost timer current value, decreases when custom boost is controlling the unit.   |
| 4x21766  | BOOST MODE ENABLE TIMER   | R/W  | 0   | 1     |         | Boost timer enabled [0=timer disabled, 1= timer enabled]   |
| 4x4613   | CUSTOM MODE TIME          | R/W  | 0   | 65535 | minutes | Set and read Custom timer time (time that is set in the timer). Timer is enabled from register 21767. 65535 = Timed mode runs indefinitely. The timer is not used when 65535 is written to this register.    |
| 4x20545  | CUSTOM MODE TIME          | R/W  | 1   | 65535 | minutes | Set and read custom timer current value, decreases when custom mode is controlling the unit.   |
| 4x21767  | CUSTOM MODE ENABLE TIMER  | R/W  | 0   | 1     |         | Enable or disable custom timer [0=timer disabled, 1= timer enabled]  |
| 4x4614   | PROG. INPUT TIMER         | R/W  | 0   | 65535 | minutes | Set and read programmable input timer time (time that is set in the timer). Timer is enabled from 21772. 65535 = Timed mode runs indefinitely. The timer is not used when 65535 is written to this register. |
| 4x20496  | PROG. INPUT TIME          | R/W  | 1   | 65535 | minutes | Set and read programmable input input current value, decreases when programmable input is controlling the unit.  |
| 4x21772  | PROG. INPUT TIMER ENABLED | R/W  | 0   | 1     |         | Enable or disable programmable input mode timer [0=timer disabled, 1= timer enabled]   |

## Reading the fan speed

| register | name                | R/RW | min | max          | type | description  |
|----------|---------------------|------|-----|--------------|------|--|
| 3x4353   | FAN SPEED           | R    | 0   | 100          | %    | Read current fan speed 0-100%, only available with % control |
| 3x46003  | CFi SUPPLY AIRFLOW  | R    | 0   | unit_<br>max | flow | Read current supply airflow, only available CFi units        |
| 3x46004  | CFI EXTRACT AIRFLOW | R    | 0   | unit_<br>max | flow | Read current extract airflow, only available CFi units       |

## **Filters**

| register | name                      | R/RW | min | max | type   | description                                     |
|----------|---------------------------|------|-----|-----|--------|---|
| 3x4620   | REMAINING_TIME_FOR_FILTER | R    | 0   | 365 | days   | Read remaining time to filter change indication |
| 4x20546  | FILTER_CHANGED_DAY        | R/W  | 1   | 31  | days   | Last filter change date                         |
| 4x20547  | FILTER_CHANGED_MONTH      | R/W  | 1   | 12  | months | Last filter change date                         |
| 4x20548  | FILTER_CHANGED_YEAR       | R/W  | 0   | 99  | years  | Last filter change date                         |



## Other registers

| register | name                       | R/RW | min | max   | type       | description   |
|----------|----------------------------|------|-----|-------|------------|---|
| 4×4611   | DEFROSTING                 | R/W  | 0   | 1     |            | Start defrosting manually [0 = no defrosting, 1 = Defrosting is on]                                 |
| 3x4616   | HR CELL STATUS             | R    | 0   | 3     |            | Read HR cell status [0 = heat recovery, 1 = cool recovery, 2 = HR cell bypass, 3 =defrosting]       |
| 4x20549  | TEMPERATURE CONTROL METHOD | R/W  | 0   | 3     |            | Read or set supply air heating method [0 =supply air, 1 = extract air, 2 = cooling, 3 = airheating] |
| 3x4359   | RH_LEVEL                   | R    | 0   | 3     |            | RH level (no sensor, low, med, high).   |
| 3x4360   | CO2_LEVEL                  | R    | 0   | 3     |            | CO2 level (no sensor, low, med, high)   |
| 3x4361   | EXTR_FAN_SPEED             | R    | 0   | 10000 | RPM        | Extract fan speed   |
| 3x4362   | SUPP_FAN_SPEED             | R    | 0   | 10000 | RPM        | Supply fan speed  |
| 3x4365   | CUSTOM_SWITCH              | R    | 0   | 1     |            | Digital input 1 state (off on)  |
| 3x4366   | DIGITAL_INPUT              | R    | 0   | 1     |            | Digital input 2 state (off on)  |
| 3x4367   | ANALOG_CTRL_INPUT          | R    | 0   | 100   | %          | Analog input control state  |
| 3x4368   | MULTISENSOR_CO2            | R    | 0   | 65535 | 12bit      | CO2 concentration from multisensor  |
| 3x4369   | MULTISENSOR_TEMP           | R    | 0   | 65535 | 12bit      | Tempearature from multisensor   |
| 3x4370   | MULTISENSOR_RH             | R    | 0   | 65535 | 12bit      | Humidity from multisensor3x   |
| 3x4370   | ANALOG_SENSOR_INPUT        | R    | 0   | 65535 | %RH        | Internal %RH sensor 65535 = No sensor   |
| 3x4373   | RH_SENSOR_0                | R    | 0   | 65535 | %RH        | RH value from sensor 0  |
| 3x4373   | RH_SENSOR_1                | R    | 0   | 65535 | %RH        | RH value from sensor 1  |
| 3x4374   | RH_SENSOR_2                | R    | 0   | 65535 | %RH        | RH value from sensor 2  |
| 3x4375   |                            | R    | 0   | 65535 | %RH        | RH value from sensor 3  |
| 3x4376   | RH_SENSOR_3                | R    | 0   |       | %RH        |   |
|          | RH_SENSOR_4                |      |     | 65535 |            | RH value from sensor 4  |
| 3x4378   | RH_SENSOR_5                | R    | 0   | 65535 | %RH        | RH value from sensor 5  |
| 3x4379   | CO2_SENSOR_0               | R    | 0   | 65535 | PPM        | CO2 value from sensor 0   |
| 3x4380   | CO2_SENSOR_1               | R    | 0   | 65535 | PPM        | CO2 value from sensor 1   |
| 3x4381   | CO2_SENSOR_2               | R    | 0   | 65535 | PPM        | CO2 value from sensor 2   |
| 3x4382   | CO2_SENSOR_3               | R    | 0   | 65535 | PPM        | CO2 value from sensor 3   |
| 3x4383   | CO2_SENSOR_4               | R    | 0   | 65535 | PPM        | CO2 value from sensor 4   |
| 3x4384   | CO2_SENSOR_5               | R    | 0   | 65535 | PPM        | CO2 value from sensor 5   |
| 3x4390   | VOC_LEVEL                  | R    | 0   | 65535 | PPM        | VOC sensor highest value (not used locked to 1000)  |
| 3x4391   | VOC_SENSOR_0               | R    | 0   | 65535 | PPM        | VOC value from sensor 0   |
| 3x4392   | VOC_SENSOR_1               | R    | 0   | 65535 | PPM        | VOC value from sensor 1   |
| 3x4393   | VOC_SENSOR_2               | R    | 0   | 65535 | PPM        | VOC value from sensor 2   |
| 3x4394   | VOC_SENSOR_3               | R    | 0   | 65535 | PPM        | VOC value from sensor 3   |
| 4x4615   | WEEKLY_TIMER_ENABLED       | R/W  | 0   | 1     |            | Weekly timer state (off on)   |
| 3x4617   | TOTAL_UP_TIME_YEARS        | R    | 0   | 65535 | a          | Total up time   |
| 3x4618   | TOTAL_UP_TIME_HOURS        | R    | 0   | 8760  | h          | Total up time   |
| 3x4619   | CURRENT_UP_TIME_HOURS      | R    | 0   | 65535 | h          | Current up time   |
| 4x4627   | COMMAND                    | R/W  | 0   | 65535 |            | Command variable  |
| 3x4628   | MLV_STATE                  | R    | 0   | 1     |            | "Earth heat" radiator state flag (off on)   |
| 4x4849   | MINUTE                     | R/W  | 0   | 59    | minutes    | Minutes of the current time   |
| 4x4850   | HOUR                       | R/W  | 0   | 23    | hours      | Hours of the current time   |
| 4x4851   | DAY                        | R/W  | 1   | 31    | days       | Days of the current time  |
| 4x4852   | MONTH                      | R/W  | 1   | 12    | months     | Months of the current date  |
| 4x4853   | YEAR                       | R/W  | 0   | 99    | years      | Years of the current date   |
| 3x4854   | WEEKDAY                    | R    | 1   | 7     | weekday    | Weekday (Mon Tue Wed)   |
| 3x8194   | GW_ADDRESS_1               | R    | 0   | 65535 |            | Gateway address (0xAABB)  |
| 3x8195   | GW_ADDRESS_2               | R    | 0   | 65535 |            | Gateway address (0xCCDD)  |
| 3x8196   | MASK_ADDRESS_1             | R    | 0   | 65535 |            | Mask (0xAABB)   |
| 3x8197   | MASK_ADDRESS_2             | R    | 0   | 65535 |            | Mask (0xCCDD)   |
| 4x8211   | ETH_CLOUD_ENABLED          | R/W  | 0   | 1     |            | Outgoing connection to cloud (disabled enabled)   |
| 3x8212   | IP_ADDRESS_1               | R    | 0   | 65535 |            | IP address first two bytes (0xAABB)   |
| 3x8213   | IP_ADDRESS_1               | R    | 0   | 65535 |            | IP address last two bytes (0xCCDD)  |
| 4x20482  | MODBUS_ADDRESS             | R/W  | 1   | 247   | 8bit addr. | Modbus address on remote bus 1247 (0xF7)  |
| 4x20483  | MODBUS_BAUD_x100           | R/W  | 96  | 1152  |            | Baud * 100 Modbus speed on remote bus   |





| register | name                            | R/RW | min   | max   | type        | description  |
|----------|---------------------------------|------|-------|-------|-------------|--|
| 4x20484  | MODBUS_FRAME                    | R/W  | 0     | 514   | 8bit pair   | Modbus data frame; MSB parity                            |
| 4x20517  | RELAY_MODE                      | R/W  | 0     | 8     | 16bit value | Error relay mode (maintenance reminder error)            |
| 4x20518  | DIGITAL_INPUT_1_MODE            | R/W  | 0     | 8     | 16bit value | Digital input 1 mode (None custom home/away)             |
| 4x20519  | DIGITAL_INPUT_2_MODE            | R/W  | 0     | 8     | 16bit value | Digital input 2 mode (None custom home/away)             |
| 4x20520  | ANALOG_INPUT_MODE               | R/W  | 0     | 3     | 16bit value | Analog input mode (None Situational control)             |
| 4x20521  | MLV_SUPPLY_LOWER_LIMIT          | R/W  | 27815 | 29815 | cK          | MLV cooling lower limit for supply                       |
| 4x20523  | MLV_AUTO_MANUAL                 | R/W  | 0     | 1     | 16bit value | MLV control type (automatic manual)                      |
| 4x20529  | MVL_SUMMER_SETPOINT             | R/W  | 28315 | 29815 | cK          | MLV summer setpoint                                      |
| 4x20530  | MLV_MODES                       | R/W  | 0     | 2     | 16bit value | MLV Modes (heating and cooling heating cooling)          |
| 4x20531  | MLV_WINTER_SETPOINT             | R/W  | 26315 | 27815 | cK          | MLV winter setpoint                                      |
| 4x20537  | FILTER_CHANGE_INTERVAL          | R/W  | 30    | 365   | days        | Interval for filter change indicator (reload value)      |
| 4x20538  | CELL_TYPE                       | R/W  | 0     | 2     | 16bit value | Heat recovery cell (aluminium plastic enthalpy)          |
| 4x20539  | EXTRA_HEATER_TYPE               | R/W  | 0     | 2     | 16bit value | Extra heater type (None Electric Water)                  |
| 4x20540  | POST_HEATER_TYPE                | R/W  | 0     | 2     | 16bit value | Post heater type (None Electric Water)                   |
| 4x20543  | RH_LEVEL_MODE                   | R/W  | 0     | 1     |             | Automatic level update Manual                            |
| 4x20551  | PARTIAL_BYPASS                  | R/W  | 0     | 2     | 16bit value | Partial bypass state (None, summer, always)              |
| 4x20552  | BYPASS_LOCKED                   | R/W  | 0     | 1     | 16bit value | Bypass locked to winter position (open locked)           |
| 4x20553  | OPT_TEMP_SENSOR_MODE            | R/W  | 0     | 3     | 16bit value | Opt. Sensor mode (None, MLV, out, Airheater, MLV Supply) |
| 4x20554  | POST_HEATER_WINTER_<br>SETPOINT | R/W  | 25315 | 30315 | cK          | Post heater winter limit temperature                     |
| 4x20555  | DEWPOINT_LIMIT_IN_USE           | R/W  | 0     | 1     | 16bit value | Use dew point limit in supply air setting (not in use)   |
| 4x21764  | ACCESS_LEVEL                    | R/W  | 0     | 2     |             | Access level (free limited very limited)                 |
| 4x21765  | PARENTAL_CTRL_ENABLED           | R/W  | 0     | 1     |             | Parental control state (off, on)                         |
| 4x21768  | SUMMER_TIME_AUTO_ENAB           | R/W  | 0     | 1     |             | Automatic summer time (off, on)                          |
| 4x21769  | 12_HOUR_CLOCK_ENABLED           | R/W  | 0     | 1     |             | 12 hour clock (off on)                                   |
| 4x40961  | SCHEDULE_MONDAY_00              | R/W  | 0     | 3     |             | State at 00:00 on Monday [None, home, away, boost]       |
| 4x40962  | SCHEDULE_MONDAY_01              | R/W  | 0     | 3     |             | State at 01:00 on Monday [None, home, away, boost]       |
| 4x40963  | SCHEDULE_MONDAY_02              | R/W  | 0     | 3     |             | State at 02:00 on Monday [None, home, away, boost]       |
| 4x40964  | SCHEDULE_MONDAY_03              | R/W  | 0     | 3     |             | State at 03:00 on Monday [None, home, away, boost]       |
| 4x40965  | SCHEDULE_MONDAY_04              | R/W  | 0     | 3     |             | State at 04:00 on Monday [None, home, away, boost]       |
| 4x40966  | SCHEDULE_MONDAY_05              | R/W  | 0     | 3     |             | State at 05:00 on Monday [None, home, away, boost]       |
| 4x40967  | SCHEDULE_MONDAY_06              | R/W  | 0     | 3     |             | State at 06:00 on Monday [None, home, away, boost]       |
| 4x40968  | SCHEDULE_MONDAY_07              | R/W  | 0     | 3     |             | State at 07:00 on Monday [None, home, away, boost]       |
| 4x40969  | SCHEDULE_MONDAY_08              | R/W  | 0     | 3     |             | State at 08:00 on Monday [None, home, away, boost]       |
| 4x40970  | SCHEDULE_MONDAY_09              | R/W  | 0     | 3     |             |  |
|          |                                 |      |       |       |             | State at 09:00 on Monday [None, home, away, boost]       |
| 4x40971  | SCHEDULE_MONDAY_10              | R/W  | 0     | 3     |             | State at 10:00 on Monday [None, home, away, boost]       |
| 4x40972  | SCHEDULE_MONDAY_11              | R/W  | 0     | 3     |             | State at 11:00 on Monday [None, home, away, boost]       |
| 4x40973  | SCHEDULE_MONDAY_12              | R/W  | 0     | 3     |             | State at 12:00 on Monday [None, home, away, boost]       |
| 4x40974  | SCHEDULE_MONDAY_13              | R/W  | 0     | 3     |             | State at 13:00 on Monday [None, home, away, boost]       |
| 4x40975  | SCHEDULE_MONDAY_14              | R/W  | 0     | 3     |             | State at 14:00 on Monday [None, home, away, boost]       |
| 4x40976  | SCHEDULE_MONDAY_15              | R/W  | 0     | 3     |             | State at 15:00 on Monday [None, home, away, boost]       |
| 4x40977  | SCHEDULE_MONDAY_16              | R/W  | 0     | 3     |             | State at 16:00 on Monday [None, home, away, boost]       |
| 4x40978  | SCHEDULE_MONDAY_17              | R/W  | 0     | 3     |             | State at 17:00 on Monday [None, home, away, boost]       |
| 4x40979  | SCHEDULE_MONDAY_18              | R/W  | 0     | 3     |             | State at 18:00 on Monday [None, home, away, boost]       |
| 4x40980  | SCHEDULE_MONDAY_19              | R/W  | 0     | 3     |             | State at 19:00 on Monday [None, home, away, boost]       |
| 4x40981  | SCHEDULE_MONDAY_20              | R/W  | 0     | 3     |             | State at 20:00 on Monday [None, home, away, boost]       |
|          |                                 |      |       |       |             |  |
| 4x40982  | SCHEDULE_MONDAY_21              | R/W  | 0     | 3     |             | State at 21:00 on Monday [None, home, away, boost]       |
| 4x40983  | SCHEDULE_MONDAY_22              | R/W  | 0     | 3     |             | State at 21200 on Monday [None, home, away, boost]       |
| 4x40984  | SCHEDULE_MONDAY_23              | R/W  | 0     | 3     |             | State at 23:00 on Monday [None, home, away, boost]       |
| 4x40985  | SCHEDULE_TUESDAY_00             | R/W  | 0     | 3     |             | State at 00:00 on Tuesday [None, home, away, boost]      |



| 4x40998   SCHEDULE_TUESDAY_01   R/W   0   3   State at 01:00 on Tuesday (None, home, away, boost)  | register | name                  | R/RW | min | max | type | description   |
|--|----------|-----------------------|------|-----|-----|------|---|
| 4x40988   SCHEDULE_TUESDAY_02   R/W   0   3   State at 02:00 on Tuesday (None, home, away, boost)  |          |                       |      |     |     | 3,70 | •   |
| 4x40998   SCHEDULE_TUESDAY_04   RW   0   3   State at 03:00 on Tuesday (None, home, away, boost)   4x40999   SCHEDULE_TUESDAY_05   RW   0   3   State at 03:00 on Tuesday (None, home, away, boost)   4x40999   SCHEDULE_TUESDAY_06   RW   0   3   State at 05:00 on Tuesday (None, home, away, boost)   4x40993   SCHEDULE_TUESDAY_07   RW   0   3   State at 07:00 on Tuesday (None, home, away, boost)   4x40993   SCHEDULE_TUESDAY_08   RW   0   3   State at 07:00 on Tuesday (None, home, away, boost)   4x40993   SCHEDULE_TUESDAY_09   RW   0   3   State at 07:00 on Tuesday (None, home, away, boost)   4x40994   SCHEDULE_TUESDAY_09   RW   0   3   State at 08:00 on Tuesday (None, home, away, boost)   4x40995   SCHEDULE_TUESDAY_10   RW   0   3   State at 10:00 on Tuesday (None, home, away, boost)   4x40996   SCHEDULE_TUESDAY_11   RW   0   3   State at 10:00 on Tuesday (None, home, away, boost)   4x40997   SCHEDULE_TUESDAY_12   RW   0   3   State at 10:00 on Tuesday (None, home, away, boost)   4x40998   SCHEDULE_TUESDAY_13   RW   0   3   State at 10:00 on Tuesday (None, home, away, boost)   4x40999   SCHEDULE_TUESDAY_14   RW   0   3   State at 10:00 on Tuesday (None, home, away, boost)   4x40000   SCHEDULE_TUESDAY_15   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x40001   SCHEDULE_TUESDAY_16   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41002   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on Tuesday (None, home, away, boost)   4x41003   SCHEDULE_TUESDAY_18   RW   0   3   State at 13:00 on T | 4x40987  |                       | R/W  | 0   |     |      |   |
| 4x40989   SCHEDULE_TUESDAY_05   R/W   0   3   State at 104:00 on Tuesday [None, home, away, boost]   4x409991   SCHEDULE_TUESDAY_06   R/W   0   3   State at 105:00 on Tuesday [None, home, away, boost]   4x40992   SCHEDULE_TUESDAY_07   R/W   0   3   State at 105:00 on Tuesday [None, home, away, boost]   4x40993   SCHEDULE_TUESDAY_08   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40993   SCHEDULE_TUESDAY_09   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40995   SCHEDULE_TUESDAY_10   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40997   SCHEDULE_TUESDAY_12   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TUESDAY_13   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TUESDAY_13   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TUESDAY_14   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40000   SCHEDULE_TUESDAY_15   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_16   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_19   R/W   0   3   State at 11:00 on Wednesday [None, home, away, boost]   4x41003   SCHEDULE_WEDNESDAY_09   R | 4x40988  | SCHEDULE_TUESDAY_03   | R/W  | 0   | 3   |      | State at 03:00 on Tuesday [None, home, away, boost]   |
| 4x40999   SCHEDULE_TURSDAY_06   R/W   0   3   State at 05:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_08   R/W   0   3   State at 07:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_08   R/W   0   3   State at 07:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_09   R/W   0   3   State at 08:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_10   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_11   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_11   R/W   0   3   State at 10:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_13   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TURSDAY_14   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x40090   SCHEDULE_TURSDAY_15   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x41000   SCHEDULE_TURSDAY_16   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TURSDAY_17   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_18   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_18   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_19   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_20   R/W   0   3   State at 18:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_21   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_22   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TURSDAY_22   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_WEINSDAY_00   R/W   0   3   State at 19:00 on Wednesday [None, home, away, boost]   4x41003   SCHEDULE_WEINSDAY_00   R/W    | 4x40989  |                       | R/W  | 0   | 3   |      | State at 04:00 on Tuesday [None, home, away, boost]   |
| 4x40991   SCHEDULE_TUESDAY_07   R/W   0   3   State at 06:00 on Tuesday [None, home, away, boost]   4x40993   SCHEDULE_TUESDAY_08   R/W   0   3   State at 07:00 on Tuesday [None, home, away, boost]   4x40994   SCHEDULE_TUESDAY_19   R/W   0   3   State at 09:00 on Tuesday [None, home, away, boost]   4x40995   SCHEDULE_TUESDAY_10   R/W   0   3   State at 109:00 on Tuesday [None, home, away, boost]   4x40996   SCHEDULE_TUESDAY_11   R/W   0   3   State at 109:00 on Tuesday [None, home, away, boost]   4x40997   SCHEDULE_TUESDAY_11   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40998   SCHEDULE_TUESDAY_12   R/W   0   3   State at 100:00 on Tuesday [None, home, away, boost]   4x40999   SCHEDULE_TUESDAY_13   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x40099   SCHEDULE_TUESDAY_14   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x41000   SCHEDULE_TUESDAY_15   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_16   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_17   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41004   SCHEDULE_TUESDAY_18   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41005   SCHEDULE_TUESDAY_28   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41006   SCHEDULE_TUESDAY_29   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41006   SCHEDULE_TUESDAY_29   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_29   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41008   SCHEDULE_TUESDAY_29   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41009   SCHEDULE_TUESDAY_29   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_29   R/W   0  | 4x40990  | SCHEDULE_TUESDAY_05   | R/W  | 0   | 3   |      |   |
| 4x40993   SCHEDULE_TUESDAY_08   R/W   0   3   State at 08:00 on Tuesday [None, home, away, boost]  | 4x40991  |                       | R/W  | 0   | 3   |      |   |
| 4x40993   SCHEDULE_TUESDAY_08   R/W   0   3   State at 08:00 on Tuesday [None, home, away, boost]   4x40994   SCHEDULE_TUESDAY_09   R/W   0   3   State at 09:00 on Tuesday [None, home, away, boost]   4x40995   SCHEDULE_TUESDAY_11   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40995   SCHEDULE_TUESDAY_12   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40998   SCHEDULE_TUESDAY_13   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]   4x40998   SCHEDULE_TUESDAY_14   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x40099   SCHEDULE_TUESDAY_15   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x40000   SCHEDULE_TUESDAY_16   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_16   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_17   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41004   SCHEDULE_TUESDAY_19   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41005   SCHEDULE_TUESDAY_20   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41006   SCHEDULE_TUESDAY_21   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]   4x41006   SCHEDULE_TUESDAY_21   R/W   0   3   State at 22:00 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_22   R/W   0   3   State at 22:00 on Tuesday [None, home, away, boost]   4x41008   SCHEDULE_WENDESDAY_00   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41009   SCHEDULE_WENDESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41009   SCHEDULE_WENDESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41009   SCHEDULE_WENDESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41018   SCHEDULE_WENDESDAY_0 | 4x40992  | SCHEDULE_TUESDAY_07   | R/W  | 0   | 3   |      | State at 07:00 on Tuesday [None, home, away, boost]   |
| 4x40995   SCHEDULE_TUESDAY_10   R/W   0   3   State at 09:00 on Tuesday [None, home, away, boost]  | 4x40993  |                       | R/W  | 0   | 3   |      |   |
| 4x40996   SCHEDULE_TUESDAY_11   R/W   0   3   State at 11:00 on Tuesday [None, home, away, boost]   4x40997   SCHEDULE_TUESDAY_12   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]   4x40998   SCHEDULE_TUESDAY_13   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x40090   SCHEDULE_TUESDAY_15   R/W   0   3   State at 14:00 on Tuesday [None, home, away, boost]   4x41000   SCHEDULE_TUESDAY_15   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_16   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_17   R/W   0   3   State at 18:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_18   R/W   0   3   State at 18:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_19   R/W   0   3   State at 18:00 on Tuesday [None, home, away, boost]   4x41004   SCHEDULE_TUESDAY_20   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41005   SCHEDULE_TUESDAY_21   R/W   0   3   State at 2:000 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_21   R/W   0   3   State at 2:000 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_22   R/W   0   3   State at 2:000 on Tuesday [None, home, away, boost]   4x41009   SCHEDULE_TUESDAY_23   R/W   0   3   State at 2:000 on Tuesday [None, home, away, boost]   4x41010   SCHEDULE_WENESDAY_03   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41010   SCHEDULE_WENESDAY_03   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41011   SCHEDULE_WENESDAY_03   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41014   SCHEDULE_WENESDAY_05   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41015   SCHEDULE_WENESDAY_06   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41016   SCHEDULE_WENESDAY_06   R/W   0   3   State at 0:000 on Wednesday [None, home, away, boost]   4x41017   SCHEDULE_WENESDA | 4x40994  | SCHEDULE_TUESDAY_09   | R/W  | 0   | 3   |      |   |
| 4x40997   SCHEDULE_TUESDAY_12   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]  | 4x40995  | SCHEDULE_TUESDAY_10   | R/W  | 0   | 3   |      | State at 10:00 on Tuesday [None, home, away, boost]   |
| 4x40997   SCHEDULE_TUESDAY_12   R/W   0   3   State at 12:00 on Tuesday [None, home, away, boost]   4x40998   SCHEDULE_TUESDAY_13   R/W   0   3   State at 13:00 on Tuesday [None, home, away, boost]   4x40909   SCHEDULE_TUESDAY_15   R/W   0   3   State at 14:00 on Tuesday [None, home, away, boost]   4x40000   SCHEDULE_TUESDAY_16   R/W   0   3   State at 15:00 on Tuesday [None, home, away, boost]   4x41001   SCHEDULE_TUESDAY_17   R/W   0   3   State at 16:00 on Tuesday [None, home, away, boost]   4x41002   SCHEDULE_TUESDAY_18   R/W   0   3   State at 17:00 on Tuesday [None, home, away, boost]   4x41003   SCHEDULE_TUESDAY_19   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41004   SCHEDULE_TUESDAY_19   R/W   0   3   State at 19:00 on Tuesday [None, home, away, boost]   4x41005   SCHEDULE_TUESDAY_29   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41006   SCHEDULE_TUESDAY_29   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_21   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41007   SCHEDULE_TUESDAY_22   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41008   SCHEDULE_TUESDAY_23   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41009   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 20:00 on Tuesday [None, home, away, boost]   4x41010   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41011   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41014   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41015   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41016   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41017   SCHEDULE_WEDNESDAY_00   R/W   0   3   State at 00:00 on Wednesday [None, home, away, boost]   4x41018   SCHEDULE | 4x40996  | SCHEDULE_TUESDAY_11   | R/W  | 0   | 3   |      | State at 11:00 on Tuesday [None, home, away, boost]   |
| 4x440999         SCHEDULE_TUESDAY_15         R/W         0         3         State at 14:00 on Tuesday [None, home, away, boost]           4x44000         SCHEDULE_TUESDAY_15         R/W         0         3         State at 16:00 on Tuesday [None, home, away, boost]           4x41001         SCHEDULE_TUESDAY_16         R/W         0         3         State at 16:00 on Tuesday [None, home, away, boost]           4x41003         SCHEDULE_TUESDAY_18         R/W         0         3         State at 18:00 on Tuesday [None, home, away, boost]           4x41004         SCHEDULE_TUESDAY_19         R/W         0         3         State at 19:00 on Tuesday [None, home, away, boost]           4x41005         SCHEDULE_TUESDAY_20         R/W         0         3         State at 20:00 on Tuesday [None, home, away, boost]           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41007         SCHEDULE_TUESDAY_23         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_TUESDAY_00         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 02:00 on   | 4x40997  | SCHEDULE_TUESDAY_12   | R/W  | 0   | 3   |      |   |
| 4x41000         SCHEDULE_TUESDAY_15         R/W         0         3         State at 15:00 on Tuesday (None, home, away, boost)           4x41001         SCHEDULE_TUESDAY_16         R/W         0         3         State at 16:00 on Tuesday (None, home, away, boost)           4x41002         SCHEDULE_TUESDAY_17         R/W         0         3         State at 17:00 on Tuesday (None, home, away, boost)           4x41004         SCHEDULE_TUESDAY_19         R/W         0         3         State at 19:00 on Tuesday (None, home, away, boost)           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday (None, home, away, boost)           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday (None, home, away, boost)           4x41008         SCHEDULE_TUESDAY_22         R/W         0         3         State at 20:00 on Tuesday (None, home, away, boost)           4x41009         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 20:00 on Wednesday (None, home, away, boost)           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41012         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00  | 4x40998  | SCHEDULE_TUESDAY_13   | R/W  | 0   | 3   |      | State at 13:00 on Tuesday [None, home, away, boost]   |
| 4x41001         SCHEDULE_TUESDAY_16         R/W         0         3         State at 16:00 on Tuesday (None, home, away, boost)           4x41002         SCHEDULE_TUESDAY_17         R/W         0         3         State at 18:00 on Tuesday (None, home, away, boost)           4x41003         SCHEDULE_TUESDAY_18         R/W         0         3         State at 18:00 on Tuesday (None, home, away, boost)           4x41004         SCHEDULE_TUESDAY_29         R/W         0         3         State at 19:00 on Tuesday (None, home, away, boost)           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday (None, home, away, boost)           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 22:00 on Tuesday (None, home, away, boost)           4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday (None, home, away, boost)           4x41010         SCHEDULE_TUESDAY_20         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:0  | 4x40999  | SCHEDULE_TUESDAY_14   | R/W  | 0   | 3   |      | State at 14:00 on Tuesday [None, home, away, boost]   |
| 4x41002         SCHEDULE_TUESDAY_17         R/W         0         3         State at 17:00 on Tuesday [None, home, away, boost]           4x41003         SCHEDULE_TUESDAY_18         R/W         0         3         State at 18:00 on Tuesday [None, home, away, boost]           4x41004         SCHEDULE_TUESDAY_19         R/W         0         3         State at 19:00 on Tuesday [None, home, away, boost]           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday [None, home, away, boost]           4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Tuesday [None, home, away, boost]           4x41001         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State  | 4x41000  | SCHEDULE_TUESDAY_15   | R/W  | 0   | 3   |      | State at 15:00 on Tuesday [None, home, away, boost]   |
| 4x41003         SCHEDULE_TUESDAY_18         R/W         0         3         State at 18:00 on Tuesday [None, home, away, boost]           4x41004         SCHEDULE_TUESDAY_19         R/W         0         3         State at 19:00 on Tuesday [None, home, away, boost]           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday [None, home, away, boost]           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_TUESDAY_23         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41009         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41014         SCHEDULE_WEDNESDAY_06         R/W         0         3         Sta  | 4x41001  | SCHEDULE_TUESDAY_16   | R/W  | 0   | 3   |      | State at 16:00 on Tuesday [None, home, away, boost]   |
| 4x41003         SCHEDULE_TUESDAY_18         R/W         0         3         State at 18:00 on Tuesday [None, home, away, boost]           4x41004         SCHEDULE_TUESDAY_20         R/W         0         3         State at 19:00 on Tuesday [None, home, away, boost]           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday [None, home, away, boost]           4x41006         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_TUESDAY_23         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41009         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         Sta  | 4x41002  | SCHEDULE_TUESDAY_17   | R/W  | 0   | 3   |      |   |
| 4x41004         SCHEDULE_TUESDAY_19         R/W         0         3         State at 19:00 on Tuesday (None, home, away, boost)           4x41005         SCHEDULE_TUESDAY_21         R/W         0         3         State at 20:00 on Tuesday (None, home, away, boost)           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 21:00 on Tuesday (None, home, away, boost)           4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday (None, home, away, boost)           4x41008         SCHEDULE_WEDNESDAY_23         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41013         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 00:00 on Wednesday (None, home, away, boost)           4x41014         SCHEDULE_WEDNESDAY_05         R/W         0         3 <td< td=""><td>4x41003</td><td>SCHEDULE_TUESDAY_18</td><td>R/W</td><td>0</td><td>3</td><td></td><td></td></td<>  | 4x41003  | SCHEDULE_TUESDAY_18   | R/W  | 0   | 3   |      |   |
| 4x41005         SCHEDULE_TUESDAY_20         R/W         0         3         State at 20:00 on Tuesday [None, home, away, boost]           4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 21:00 on Tuesday [None, home, away, boost]           4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 23:00 on Tuesday [None, home, away, boost]           4x41001         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 02:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_06         R/W         0         3         <  | 4x41004  |                       | R/W  | 0   | 3   |      | State at 19:00 on Tuesday [None, home, away, boost]   |
| 4x41006         SCHEDULE_TUESDAY_21         R/W         0         3         State at 21:00 on Tuesday [None, home, away, boost]           4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_TUESDAY_23         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_08         R/W         0         3  | 4x41005  |                       | R/W  | 0   |     |      |   |
| 4x41007         SCHEDULE_TUESDAY_22         R/W         0         3         State at 22:00 on Tuesday [None, home, away, boost]           4x41008         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 23:00 on Tuesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41014         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3  | 4x41006  |                       | R/W  | 0   | 3   |      |   |
| 4x41008         SCHEDULE_TUESDAY_23         R/W         0         3         State at 23:00 on Tuesday [None, home, away, boost]           4x41009         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 06:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_11         R/W         0         3  | 4x41007  |                       | R/W  | 0   |     |      |   |
| 4x41009         SCHEDULE_WEDNESDAY_00         R/W         0         3         State at 00:00 on Wednesday [None, home, away, boost]           4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 01:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 02:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_11         R/W         0         3<   | 4x41008  | SCHEDULE_TUESDAY_23   | R/W  | 0   | 3   |      |   |
| 4x41010         SCHEDULE_WEDNESDAY_01         R/W         0         3         State at 01:00 on Wednesday [None, home, away, boost]           4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 02:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 08:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3<   | 4x41009  |                       | R/W  | 0   | 3   |      |   |
| 4x41011         SCHEDULE_WEDNESDAY_02         R/W         0         3         State at 02:00 on Wednesday [None, home, away, boost]           4x41012         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41014         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 06:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 08:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3<   | 4x41010  | SCHEDULE_WEDNESDAY_01 | R/W  | 0   | 3   |      |   |
| 4x41012         SCHEDULE_WEDNESDAY_03         R/W         0         3         State at 03:00 on Wednesday [None, home, away, boost]           4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41014         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 06:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3<   | 4x41011  | SCHEDULE_WEDNESDAY_02 | R/W  | 0   | 3   |      | State at 02:00 on Wednesday [None, home, away, boost] |
| 4x41013         SCHEDULE_WEDNESDAY_04         R/W         0         3         State at 04:00 on Wednesday [None, home, away, boost]           4x41014         SCHEDULE_WEDNESDAY_05         R/W         0         3         State at 05:00 on Wednesday [None, home, away, boost]           4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 06:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3<   | 4x41012  | SCHEDULE_WEDNESDAY_03 | R/W  | 0   | 3   |      | State at 03:00 on Wednesday [None, home, away, boost] |
| 4x41015         SCHEDULE_WEDNESDAY_06         R/W         0         3         State at 06:00 on Wednesday [None, home, away, boost]           4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 08:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3<   | 4x41013  | SCHEDULE_WEDNESDAY_04 | R/W  | 0   | 3   |      | State at 04:00 on Wednesday [None, home, away, boost] |
| 4x41016         SCHEDULE_WEDNESDAY_07         R/W         0         3         State at 07:00 on Wednesday [None, home, away, boost]           4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 08:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3<   | 4×41014  | SCHEDULE_WEDNESDAY_05 | R/W  | 0   | 3   |      | State at 05:00 on Wednesday [None, home, away, boost] |
| 4x41017         SCHEDULE_WEDNESDAY_08         R/W         0         3         State at 08:00 on Wednesday [None, home, away, boost]           4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_18         R/W         0         3<   | 4x41015  | SCHEDULE_WEDNESDAY_06 | R/W  | 0   | 3   |      | State at 06:00 on Wednesday [None, home, away, boost] |
| 4x41018         SCHEDULE_WEDNESDAY_09         R/W         0         3         State at 09:00 on Wednesday [None, home, away, boost]           4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3<   | 4x41016  | SCHEDULE_WEDNESDAY_07 | R/W  | 0   | 3   |      | State at 07:00 on Wednesday [None, home, away, boost] |
| 4x41019         SCHEDULE_WEDNESDAY_10         R/W         0         3         State at 10:00 on Wednesday [None, home, away, boost]           4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3<   | 4x41017  | SCHEDULE_WEDNESDAY_08 | R/W  | 0   | 3   |      | State at 08:00 on Wednesday [None, home, away, boost] |
| 4x41020         SCHEDULE_WEDNESDAY_11         R/W         0         3         State at 11:00 on Wednesday [None, home, away, boost]           4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 20:00 on Wednesday [None, home, away, boost]           4x41030         SCHEDULE_WEDNESDAY_21         R/W         0         3<   | 4x41018  | SCHEDULE_WEDNESDAY_09 | R/W  | 0   | 3   |      | State at 09:00 on Wednesday [None, home, away, boost] |
| 4x41021         SCHEDULE_WEDNESDAY_12         R/W         0         3         State at 12:00 on Wednesday [None, home, away, boost]           4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 21:00 on Wednesday [None, home, away, boost]           4x41031         SCHEDULE_WEDNESDAY_21         R/W         0         3<   | 4x41019  | SCHEDULE_WEDNESDAY_10 | R/W  | 0   | 3   |      | State at 10:00 on Wednesday [None, home, away, boost] |
| 4x41022         SCHEDULE_WEDNESDAY_13         R/W         0         3         State at 13:00 on Wednesday [None, home, away, boost]           4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 20:00 on Wednesday [None, home, away, boost]           4x41031         SCHEDULE_WEDNESDAY_21         R/W         0         3         State at 21:00 on Wednesday [None, home, away, boost]  | 4x41020  | SCHEDULE_WEDNESDAY_11 | R/W  | 0   | 3   |      | State at 11:00 on Wednesday [None, home, away, boost] |
| 4x41023         SCHEDULE_WEDNESDAY_14         R/W         0         3         State at 14:00 on Wednesday [None, home, away, boost]           4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 20:00 on Wednesday [None, home, away, boost]           4x41030         SCHEDULE_WEDNESDAY_21         R/W         0         3         State at 21:00 on Wednesday [None, home, away, boost]           4x41031         SCHEDULE_WEDNESDAY_22         R/W         0         3         State at 22:00 on Wednesday [None, home, away, boost]  | 4x41021  | SCHEDULE_WEDNESDAY_12 | R/W  | 0   | 3   |      | State at 12:00 on Wednesday [None, home, away, boost] |
| 4x41024         SCHEDULE_WEDNESDAY_15         R/W         0         3         State at 15:00 on Wednesday [None, home, away, boost]           4x41025         SCHEDULE_WEDNESDAY_16         R/W         0         3         State at 16:00 on Wednesday [None, home, away, boost]           4x41026         SCHEDULE_WEDNESDAY_17         R/W         0         3         State at 17:00 on Wednesday [None, home, away, boost]           4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 20:00 on Wednesday [None, home, away, boost]           4x41030         SCHEDULE_WEDNESDAY_21         R/W         0         3         State at 21:00 on Wednesday [None, home, away, boost]           4x41031         SCHEDULE_WEDNESDAY_22         R/W         0         3         State at 22:00 on Wednesday [None, home, away, boost]  | 4x41022  | SCHEDULE_WEDNESDAY_13 | R/W  | 0   | 3   |      | State at 13:00 on Wednesday [None, home, away, boost] |
| 4x41025 SCHEDULE_WEDNESDAY_16 R/W 0 3 State at 16:00 on Wednesday [None, home, away, boost]  4x41026 SCHEDULE_WEDNESDAY_17 R/W 0 3 State at 17:00 on Wednesday [None, home, away, boost]  4x41027 SCHEDULE_WEDNESDAY_18 R/W 0 3 State at 18:00 on Wednesday [None, home, away, boost]  4x41028 SCHEDULE_WEDNESDAY_19 R/W 0 3 State at 19:00 on Wednesday [None, home, away, boost]  4x41029 SCHEDULE_WEDNESDAY_20 R/W 0 3 State at 20:00 on Wednesday [None, home, away, boost]  4x41030 SCHEDULE_WEDNESDAY_21 R/W 0 3 State at 21:00 on Wednesday [None, home, away, boost]  4x41031 SCHEDULE_WEDNESDAY_22 R/W 0 3 State at 22:00 on Wednesday [None, home, away, boost]  | 4x41023  | SCHEDULE_WEDNESDAY_14 | R/W  | 0   | 3   |      | State at 14:00 on Wednesday [None, home, away, boost] |
| 4x41026 SCHEDULE_WEDNESDAY_17 R/W 0 3 State at 17:00 on Wednesday [None, home, away, boost]  4x41027 SCHEDULE_WEDNESDAY_18 R/W 0 3 State at 18:00 on Wednesday [None, home, away, boost]  4x41028 SCHEDULE_WEDNESDAY_19 R/W 0 3 State at 19:00 on Wednesday [None, home, away, boost]  4x41029 SCHEDULE_WEDNESDAY_20 R/W 0 3 State at 20:00 on Wednesday [None, home, away, boost]  4x41030 SCHEDULE_WEDNESDAY_21 R/W 0 3 State at 21:00 on Wednesday [None, home, away, boost]  4x41031 SCHEDULE_WEDNESDAY_22 R/W 0 3 State at 22:00 on Wednesday [None, home, away, boost]   | 4x41024  | SCHEDULE_WEDNESDAY_15 | R/W  | 0   | 3   |      | State at 15:00 on Wednesday [None, home, away, boost] |
| 4x41027         SCHEDULE_WEDNESDAY_18         R/W         0         3         State at 18:00 on Wednesday [None, home, away, boost]           4x41028         SCHEDULE_WEDNESDAY_19         R/W         0         3         State at 19:00 on Wednesday [None, home, away, boost]           4x41029         SCHEDULE_WEDNESDAY_20         R/W         0         3         State at 20:00 on Wednesday [None, home, away, boost]           4x41030         SCHEDULE_WEDNESDAY_21         R/W         0         3         State at 21:00 on Wednesday [None, home, away, boost]           4x41031         SCHEDULE_WEDNESDAY_22         R/W         0         3         State at 22:00 on Wednesday [None, home, away, boost]  | 4x41025  | SCHEDULE_WEDNESDAY_16 | R/W  | 0   | 3   |      | State at 16:00 on Wednesday [None, home, away, boost] |
| 4x41028SCHEDULE_WEDNESDAY_19R/W03State at 19:00 on Wednesday [None, home, away, boost]4x41029SCHEDULE_WEDNESDAY_20R/W03State at 20:00 on Wednesday [None, home, away, boost]4x41030SCHEDULE_WEDNESDAY_21R/W03State at 21:00 on Wednesday [None, home, away, boost]4x41031SCHEDULE_WEDNESDAY_22R/W03State at 22:00 on Wednesday [None, home, away, boost]   | 4x41026  | SCHEDULE_WEDNESDAY_17 | R/W  | 0   |     |      | State at 17:00 on Wednesday [None, home, away, boost] |
| 4x41028SCHEDULE_WEDNESDAY_19R/W03State at 19:00 on Wednesday [None, home, away, boost]4x41029SCHEDULE_WEDNESDAY_20R/W03State at 20:00 on Wednesday [None, home, away, boost]4x41030SCHEDULE_WEDNESDAY_21R/W03State at 21:00 on Wednesday [None, home, away, boost]4x41031SCHEDULE_WEDNESDAY_22R/W03State at 22:00 on Wednesday [None, home, away, boost]   |          |                       |      |     |     |      |   |
| 4x41029SCHEDULE_WEDNESDAY_20R/W03State at 20:00 on Wednesday [None, home, away, boost]4x41030SCHEDULE_WEDNESDAY_21R/W03State at 21:00 on Wednesday [None, home, away, boost]4x41031SCHEDULE_WEDNESDAY_22R/W03State at 22:00 on Wednesday [None, home, away, boost]   | 4x41028  | SCHEDULE_WEDNESDAY_19 | R/W  | 0   | 3   |      | State at 19:00 on Wednesday [None, home, away, boost] |
| 4x41030SCHEDULE_WEDNESDAY_21R/W03State at 21:00 on Wednesday [None, home, away, boost]4x41031SCHEDULE_WEDNESDAY_22R/W03State at 22:00 on Wednesday [None, home, away, boost]   |          |                       |      |     |     |      |   |
|  | 4x41030  | SCHEDULE_WEDNESDAY_21 | R/W  | 0   | 3   |      |   |
|  | 4x41031  | SCHEDULE_WEDNESDAY_22 | R/W  | 0   | 3   |      | State at 22:00 on Wednesday [None, home, away, boost] |
|  | 4x41032  | SCHEDULE_WEDNESDAY_23 | R/W  | 0   | 3   |      | State at 23:00 on Wednesday [None, home, away, boost] |
| 4x41033 SCHEDULE_THURSDAY_00 R/W 0 3 State at 00:00 on Thursday [None, home, away, boost]  | 4x41033  | SCHEDULE_THURSDAY_00  | R/W  | 0   | 3   |      | State at 00:00 on Thursday [None, home, away, boost]  |
| 4x41034 SCHEDULE_THURSDAY_01 R/W 0 3 State at 01:00 on Thursday [None, home, away, boost]  | 4x41034  | SCHEDULE_THURSDAY_01  | R/W  | 0   | 3   |      | State at 01:00 on Thursday [None, home, away, boost]  |





| register | name                 | R/RW | min | max | type | description  |
|----------|----------------------|------|-----|-----|------|--|
| 4x41035  | SCHEDULE_THURSDAY_02 | R/W  | 0   | 3   | 7.   | State at 02:00 on Thursday [None, home, away, boost] |
| 4x41036  | SCHEDULE_THURSDAY_03 | R/W  | 0   | 3   |      | State at 03:00 on Thursday [None, home, away, boost] |
| 4x41037  | SCHEDULE_THURSDAY_04 | R/W  | 0   | 3   |      | State at 04:00 on Thursday [None, home, away, boost] |
| 4x41038  | SCHEDULE_THURSDAY_05 | R/W  | 0   | 3   |      | State at 05:00 on Thursday [None, home, away, boost] |
| 4x41039  | SCHEDULE_THURSDAY_06 | R/W  | 0   | 3   |      | State at 06:00 on Thursday [None, home, away, boost] |
| 4x41040  | SCHEDULE_THURSDAY_07 | R/W  | 0   | 3   |      | State at 07:00 on Thursday [None, home, away, boost] |
| 4x41041  | SCHEDULE_THURSDAY_08 | R/W  | 0   | 3   |      | State at 08:00 on Thursday [None, home, away, boost] |
| 4x41042  | SCHEDULE_THURSDAY_09 | R/W  | 0   | 3   |      | State at 09:00 on Thursday [None, home, away, boost] |
| 4x41042  | SCHEDULE_THURSDAY_10 | R/W  | 0   | 3   |      | State at 10:00 on Thursday [None, home, away, boost] |
| 4x41043  |                      | R/W  | 0   | 3   |      |  |
| 4x41044  | SCHEDULE_THURSDAY_11 | R/W  | 0   | 3   |      | State at 12:00 on Thursday [None, home, away, boost] |
|          | SCHEDULE_THURSDAY_12 |      |     |     |      | State at 12:00 on Thursday [None, home, away, boost] |
| 4x41046  | SCHEDULE_THURSDAY_13 | R/W  | 0   | 3   |      | State at 13:00 on Thursday [None, home, away, boost] |
| 4x41047  | SCHEDULE_THURSDAY_14 | R/W  | 0   | 3   |      | State at 14:00 on Thursday [None, home, away, boost] |
| 4x41048  | SCHEDULE_THURSDAY_15 | R/W  | 0   | 3   |      | State at 15:00 on Thursday [None, home, away, boost] |
| 4x41049  | SCHEDULE_THURSDAY_16 | R/W  | 0   | 3   |      | State at 16:00 on Thursday [None, home, away, boost] |
| 4x41050  | SCHEDULE_THURSDAY_17 | R/W  | 0   | 3   |      | State at 17:00 on Thursday [None, home, away, boost] |
| 4x41051  | SCHEDULE_THURSDAY_18 | R/W  | 0   | 3   |      | State at 18:00 on Thursday [None, home, away, boost] |
| 4x41052  | SCHEDULE_THURSDAY_19 | R/W  | 0   | 3   |      | State at 19:00 on Thursday [None, home, away, boost] |
| 4x41053  | SCHEDULE_THURSDAY_20 | R/W  | 0   | 3   |      | State at 20:00 on Thursday [None, home, away, boost] |
| 4x41054  | SCHEDULE_THURSDAY_21 | R/W  | 0   | 3   |      | State at 21:00 on Thursday [None, home, away, boost] |
| 4x41055  | SCHEDULE_THURSDAY_22 | R/W  | 0   | 3   |      | State at 22:00 on Thursday [None, home, away, boost] |
| 4x41056  | SCHEDULE_THURSDAY_23 | R/W  | 0   | 3   |      | State at 23:00 on Thursday [None, home, away, boost] |
| 4x41057  | SCHEDULE_FRIDAY_00   | R/W  | 0   | 3   |      | State at 00:00 on Friday [None, home, away, boost]   |
| 4x41058  | SCHEDULE_FRIDAY_01   | R/W  | 0   | 3   |      | State at 01:00 on Friday [None, home, away, boost]   |
| 4x41059  | SCHEDULE_FRIDAY_02   | R/W  | 0   | 3   |      | State at 02:00 on Friday [None, home, away, boost]   |
| 4x41060  | SCHEDULE_FRIDAY_03   | R/W  | 0   | 3   |      | State at 03:00 on Friday [None, home, away, boost]   |
| 4x41061  | SCHEDULE_FRIDAY_04   | R/W  | 0   | 3   |      | State at 04:00 on Friday [None, home, away, boost]   |
| 4x41062  | SCHEDULE_FRIDAY_05   | R/W  | 0   | 3   |      | State at 05:00 on Friday [None, home, away, boost]   |
| 4x41063  | SCHEDULE_FRIDAY_06   | R/W  | 0   | 3   |      | State at 06:00 on Friday [None, home, away, boost]   |
| 4x41064  | SCHEDULE_FRIDAY_07   | R/W  | 0   | 3   |      | State at 07:00 on Friday [None, home, away, boost]   |
| 4x41065  | SCHEDULE_FRIDAY_08   | R/W  | 0   | 3   |      | State at 08:00 on Friday [None, home, away, boost]   |
| 4x41066  | SCHEDULE_FRIDAY_09   | R/W  | 0   | 3   |      | State at 09:00 on Friday [None, home, away, boost]   |
| 4x41067  | SCHEDULE_FRIDAY_10   | R/W  | 0   | 3   |      | State at 10:00 on Friday [None, home, away, boost]   |
| 4x41068  | SCHEDULE_FRIDAY_11   | R/W  | 0   | 3   |      | State at 11:00 on Friday [None, home, away, boost]   |
| 4x41069  | SCHEDULE_FRIDAY_12   | R/W  | 0   | 3   |      | State at 12:00 on Friday [None, home, away, boost]   |
| 4x41070  | SCHEDULE_FRIDAY_13   | R/W  | 0   | 3   |      | State at 13:00 on Friday [None, home, away, boost]   |
| 4×41071  | SCHEDULE_FRIDAY_14   | R/W  | 0   | 3   |      | State at 14:00 on Friday [None, home, away, boost]   |
| 4x41072  | SCHEDULE_FRIDAY_15   | R/W  | 0   | 3   |      | State at 15:00 on Friday [None, home, away, boost]   |
| 4x41073  | SCHEDULE_FRIDAY_16   | R/W  | 0   | 3   |      | State at 16:00 on Friday [None, home, away, boost]   |
| 4x41074  | SCHEDULE_FRIDAY_17   | R/W  | 0   | 3   |      | State at 17:00 on Friday [None, home, away, boost]   |
| 4x41075  | SCHEDULE_FRIDAY_18   | R/W  | 0   | 3   |      | State at 18:00 on Friday [None, home, away, boost]   |
| 4×41076  | SCHEDULE_FRIDAY_19   | R/W  | 0   | 3   |      | State at 19:00 on Friday [None, home, away, boost]   |
| 4x41077  | SCHEDULE_FRIDAY_20   | R/W  | 0   | 3   |      | State at 20:00 on Friday [None, home, away, boost]   |
| 4x41078  | SCHEDULE_FRIDAY_21   | R/W  | 0   | 3   |      | State at 21:00 on Friday [None, home, away, boost]   |
| 4x41079  | SCHEDULE_FRIDAY_22   | R/W  | 0   | 3   |      | State at 22:00 on Friday [None, home, away, boost]   |
| 4x41080  | SCHEDULE_FRIDAY_23   | R/W  | 0   | 3   |      | State at 23:00 on Friday [None, home, away, boost]   |
| 4x41081  | SCHEDULE_SATURDAY_00 | R/W  | 0   | 3   |      | State at 00:00 on Saturday [None, home, away, boost] |
| 4x41082  | SCHEDULE_SATURDAY_01 | R/W  | 0   | 3   |      | State at 01:00 on Saturday [None, home, away, boost] |
| 4x41083  | SCHEDULE_SATURDAY_02 | R/W  | 0   | 3   |      | State at 02:00 on Saturday [None, home, away, boost] |



| register | name                 | R/RW | min | max | type | description  |
|----------|----------------------|------|-----|-----|------|--|
| 4x41084  | SCHEDULE_SATURDAY_03 | R/W  | 0   | 3   |      | State at 03:00 on Saturday [None, home, away, boost] |
| 4x41085  | SCHEDULE_SATURDAY_04 | R/W  | 0   | 3   |      | State at 04:00 on Saturday [None, home, away, boost] |
| 4x41086  | SCHEDULE_SATURDAY_05 | R/W  | 0   | 3   |      | State at 05:00 on Saturday [None, home, away, boost] |
| 4x41087  | SCHEDULE_SATURDAY_06 | R/W  | 0   | 3   |      | State at 06:00 on Saturday [None, home, away, boost] |
| 4x41088  | SCHEDULE_SATURDAY_07 | R/W  | 0   | 3   |      | State at 07:00 on Saturday [None, home, away, boost] |
| 4x41089  | SCHEDULE_SATURDAY_08 | R/W  | 0   | 3   |      | State at 08:00 on Saturday [None, home, away, boost] |
| 4x41090  | SCHEDULE_SATURDAY_09 | R/W  | 0   | 3   |      | State at 09:00 on Saturday [None, home, away, boost] |
| 4x41091  | SCHEDULE_SATURDAY_10 | R/W  | 0   | 3   |      | State at 10:00 on Saturday [None, home, away, boost] |
| 4x41092  | SCHEDULE_SATURDAY_11 | R/W  | 0   | 3   |      | State at 11:00 on Saturday [None, home, away, boost] |
| 4x41093  | SCHEDULE_SATURDAY_12 | R/W  | 0   | 3   |      | State at 12:00 on Saturday [None, home, away, boost] |
| 4x41094  | SCHEDULE_SATURDAY_13 | R/W  | 0   | 3   |      | State at 13:00 on Saturday [None, home, away, boost] |
| 4x41095  | SCHEDULE_SATURDAY_14 | R/W  | 0   | 3   |      | State at 14:00 on Saturday [None, home, away, boost] |
| 4x41096  | SCHEDULE_SATURDAY_15 | R/RW | 0   | 3   |      | State at 15:00 on Saturday [None, home, away, boost] |
| 4x41097  | SCHEDULE_SATURDAY_16 | R/W  | 0   | 3   |      | State at 16:00 on Saturday [None, home, away, boost] |
| 4x41098  | SCHEDULE_SATURDAY_17 | R/W  | 0   | 3   |      | State at 17:00 on Saturday [None, home, away, boost] |
| 4x41099  | SCHEDULE_SATURDAY_18 | R/W  | 0   | 3   |      | State at 18:00 on Saturday [None, home, away, boost] |
| 4×41100  | SCHEDULE_SATURDAY_19 | R/W  | 0   | 3   |      | State at 19:00 on Saturday [None, home, away, boost] |
| 4×41101  | SCHEDULE_SATURDAY_20 | R/W  | 0   | 3   |      | State at 20:00 on Saturday [None, home, away, boost] |
| 4x41102  | SCHEDULE_SATURDAY_21 | R/W  | 0   | 3   |      | State at 21:00 on Saturday [None, home, away, boost] |
| 4x41103  | SCHEDULE_SATURDAY_22 | R/W  | 0   | 3   |      | State at 22:00 on Saturday [None, home, away, boost] |
| 4×41104  | SCHEDULE_SATURDAY_23 | R/W  | 0   | 3   |      | State at 23:00 on Saturday [None, home, away, boost] |
| 4x41105  | SCHEDULE_SUNDAY_00   | R/W  | 0   | 3   |      | State at 00:00 on Sunday [None, home, away, boost]   |
| 4x41106  | SCHEDULE_SUNDAY_01   | R/W  | 0   | 3   |      | State at 01:00 on Sunday [None, home, away, boost]   |
| 4x41107  | SCHEDULE_SUNDAY_02   | R/W  | 0   | 3   |      | State at 02:00 on Sunday [None, home, away, boost]   |
| 4x41108  | SCHEDULE_SUNDAY_03   | R/W  | 0   | 3   |      | State at 03:00 on Sunday [None, home, away, boost]   |
| 4x41109  | SCHEDULE_SUNDAY_04   | R/W  | 0   | 3   |      | State at 04:00 on Sunday [None, home, away, boost]   |
| 4×41110  | SCHEDULE_SUNDAY_05   | R/W  | 0   | 3   |      | State at 05:00 on Sunday [None, home, away, boost]   |
| 4×41111  | SCHEDULE_SUNDAY_06   | R/W  | 0   | 3   |      | State at 06:00 on Sunday [None, home, away, boost]   |
| 4x41112  | SCHEDULE_SUNDAY_07   | R/W  | 0   | 3   |      | State at 07:00 on Sunday [None, home, away, boost]   |
| 4x41113  | SCHEDULE_SUNDAY_08   | R/W  | 0   | 3   |      | State at 08:00 on Sunday [None, home, away, boost]   |
| 4×41114  | SCHEDULE_SUNDAY_09   | R/W  | 0   | 3   |      | State at 09:00 on Sunday [None, home, away, boost]   |
| 4×41115  | SCHEDULE_SUNDAY_10   | R/W  | 0   | 3   |      | State at 10:00 on Sunday [None, home, away, boost]   |
| 4x41116  | SCHEDULE_SUNDAY_11   | R/W  | 0   | 3   |      | State at 11:00 on Sunday [None, home, away, boost]   |
| 4×41117  | SCHEDULE_SUNDAY_12   | R/W  | 0   | 3   |      | State at 12:00 on Sunday [None, home, away, boost]   |
| 4x41118  | SCHEDULE_SUNDAY_13   | R/W  | 0   | 3   |      | State at 13:00 on Sunday [None, home, away, boost]   |
| 4x41119  | SCHEDULE_SUNDAY_14   | R/W  | 0   | 3   |      | State at 14:00 on Sunday [None, home, away, boost]   |
| 4x41120  | SCHEDULE_SUNDAY_15   | R/W  | 0   | 3   |      | State at 15:00 on Sunday [None, home, away, boost]   |
| 4x41121  | SCHEDULE_SUNDAY_16   | R/W  | 0   | 3   |      | State at 16:00 on Sunday [None, home, away, boost]   |
| 4x41122  | SCHEDULE_SUNDAY_17   | R/W  | 0   | 3   |      | State at 17:00 on Sunday [None, home, away, boost]   |
| 4x41123  | SCHEDULE_SUNDAY_18   | R/W  | 0   | 3   |      | State at 18:00 on Sunday [None, home, away, boost]   |
| 4x41124  | SCHEDULE_SUNDAY_19   | R/W  | 0   | 3   |      | State at 19:00 on Sunday [None, home, away, boost]   |
| 4x41125  | SCHEDULE_SUNDAY_20   | R/W  | 0   | 3   |      | State at 20:00 on Sunday [None, home, away, boost]   |
| 4x41126  | SCHEDULE_SUNDAY_21   | R/W  | 0   | 3   |      | State at 21:00 on Sunday [None, home, away, boost]   |
| 4x41127  | SCHEDULE_SUNDAY_22   | R/W  | 0   | 3   |      | State at 22:00 on Sunday [None, home, away, boost]   |
| 4x41128  | SCHEDULE_SUNDAY_23   | R/W  | 0   | 3   |      | State at 23:00 on Sunday [None, home, away, boost]   |





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