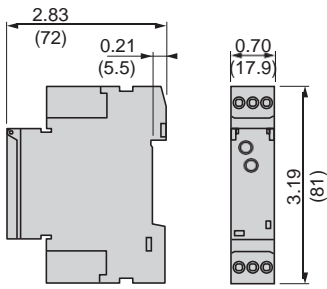
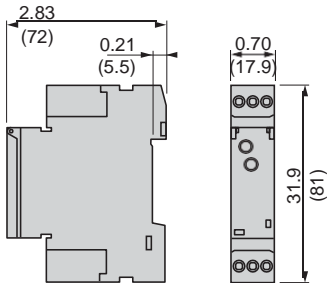


**Dimensions and terminal locations for RE11 models**

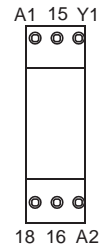
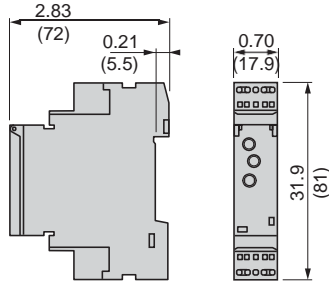


Dual dimensions =  $\frac{\text{in.}}{\text{mm}}$

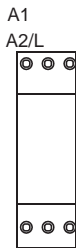
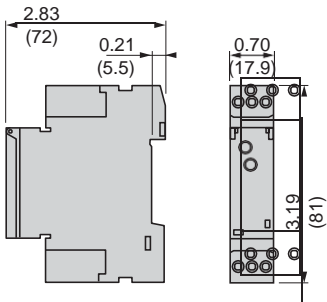
**RE11RMMU, RE11RMMW, RE11RMJU**



**RE11RMMWS**



**RE11LAMW, RE11LHBM, RE11LCBM, RE11LLBM, RE11LMBM**



RE11LAMW  
RE11LHBM

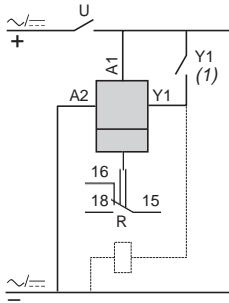


RE11LCBM



RE11LLBM  
RE11LMBM

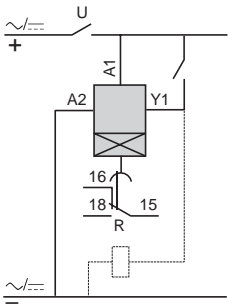
## Wiring connection diagrams for RE11 models



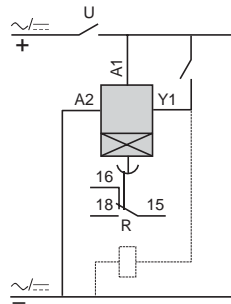
**Contact Y1:**

- Control for functions B, C, Ac, Bw, Ad, Ah, N, O, W, Tl, Tt
- Partial stop for functions At, Ht, and Pt
- Function D if Di selected
- Not used for functions A, H, and P

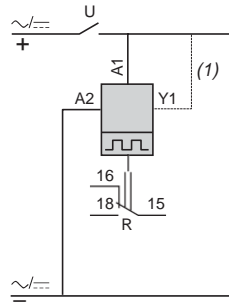
### Functions A and At



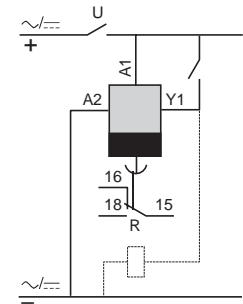
### Functions H and Ht



### Functions L and Li



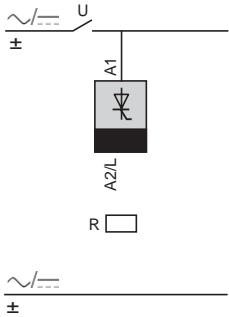
### Functions B and C



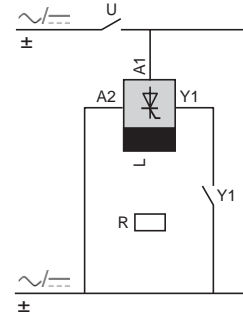
(1) Jumper A1-Y1 for function L only

## Single function relay

### Functions A and H

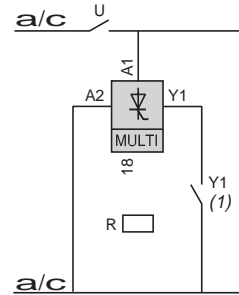


### Function C



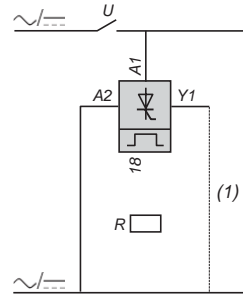
## Multi-function relay

### Functions L and Li



## Flasher

### Functions L and Li



**Contact Y1:**

- Control for functions B, C, Ac, Bw
- Partial stop for functions At, Ht
- Function D if Di selected
- Not used for functions A and H

# Zelio® Timing Relays

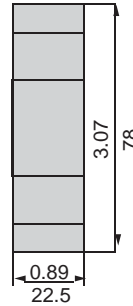
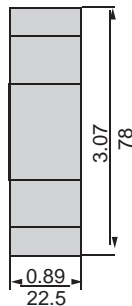
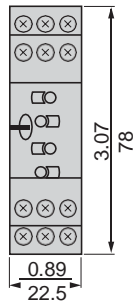
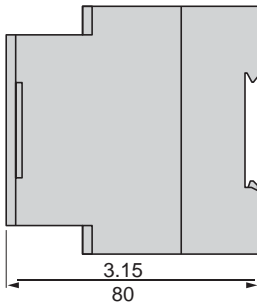
Industrial single or multifunction relays, relay or solid-state output, width 22.5 mm (0.9 in.)

## Dimensions and terminal locations for RE7, RE8, and RE9 models

RE7

RE8

RE9



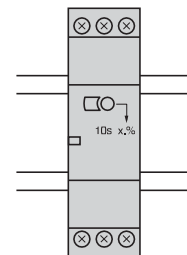
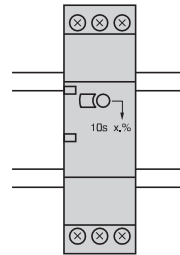
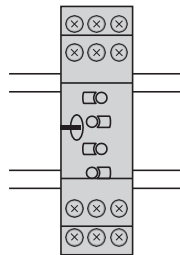
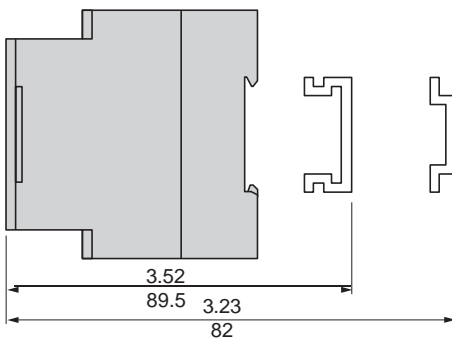
Dual dimensions  $\frac{\text{in.}}{\text{mm}}$

## Rail mounting

RE7

RE8

RE9

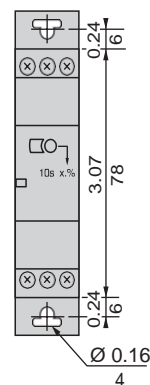
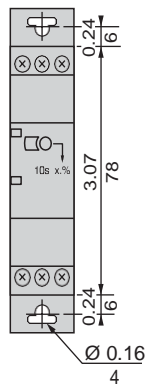
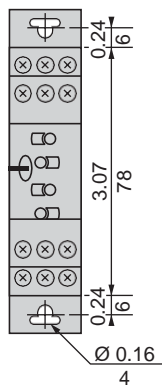
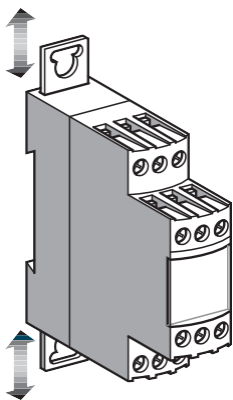


## Direct panel mounting

RE7

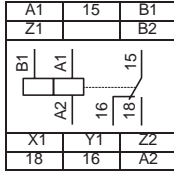
RE8

RE9

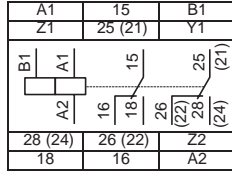


## Wiring connection diagrams for RE7 models: Industrial multi-function timers

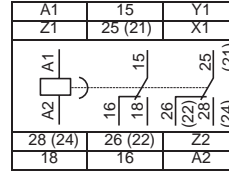
### RE7ML11BU



### RE7MY13BU



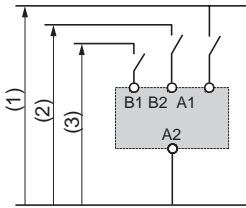
### RE7MY13MW



## Recommended wiring diagrams

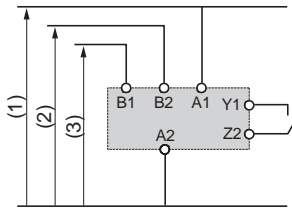
### Start on energization

RE7ML11BU, RE7MY13BU, or RE7MY13MW



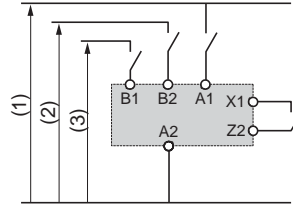
### Start by external control

RE7ML11BU, RE7MY13BU, or RE7MY13MW



### External control of partial stop

RE7ML11BU or RE7MY13MW



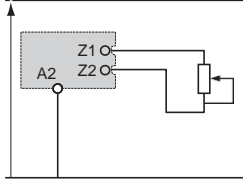
(1) 110-240 Vac: RE7ML11BU or RE7MY13BU; 24-240 Vdc or Vac: RE7MY13MW

(2) 42-48 Vac or Vdc: RE7ML11BU

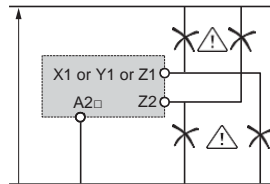
(3) 24 Vac or Vdc: RE7ML11BU or RE7MY13BU

## Potentiometer wiring

RE7ML11BU, RE7MY13BU, or RE7MY13MW



## Wiring precautions



⚠ No electrical insulation between supply terminals A1, A2, B1, B2 and control inputs X1, Y1, Z1, Z2.

**Wiring connection diagrams for RE8 models: Industrial single-function relay output timers**

RE8TA, CL			RE8RA			RE8RB		
A1	15	B1	A1	15	B1	A1	15	B1
18	16	A2	18	16	A2	18	16	A2

**Recommended wiring diagrams**

RE8TA, RB, CL	RE8RA
(1) 110-240 Vac (2) 24 Vdc or Vac	(3) 24 Vdc (4) 24 Vac or 110-240 Vac

RE8TPE	RE8PD	RE8PT	RE8YA	RE8YG
18	18	18	28	18
16	16	16	16	16
A2	A2	A2	A2	A2

**Recommended wiring diagrams - interval timers**

RE8PE	RE8PD
(1) 110-240 Vac (2) 24 Vdc or Vac	(3) 24 Vdc (4) 24 Vac or 110-240 Vac

**Recommended wiring diagrams - timers for star-delta starters**

RE8YG, RE8YA	RE8YG	RE8YA
	(1) K1T: RE8YG●1●●TQ	(1) K1T: RE8YA32●●TQ

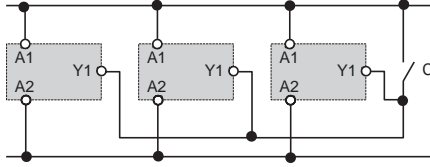
NOTE: Correct operation of the star-delta starter associated with the RE8YG is only possible if the wiring diagram is strictly followed.

# Zelio® Timing Relays

Industrial or optimum, single or multifunction relays, relay or solid-state output, width 22.5 mm (0.9 in.)

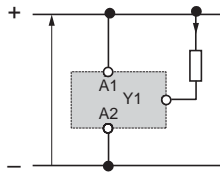
## Control of several RE8 single-function relay output timers with a single external control contact

RE8RA, PD



The external control contact C may be an electronic control device, for example, a 2-wire sensor. In this case, A1 - A2 = 24 Vdc and the control device can only control up to a maximum of 4 timers.

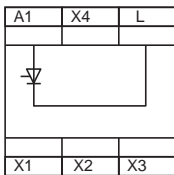
## Connection of Telemecanique 2-wire VDC sensor



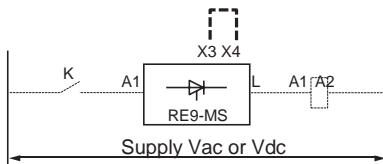
Leakage current  
(open state) if < 1 mA

## Wiring connection diagrams for RE9 models

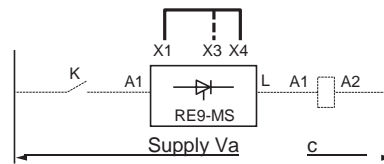
RE9MS



On-delay ☒



Interval ☒ ☒



Jumper to be made between terminals X1 and X4

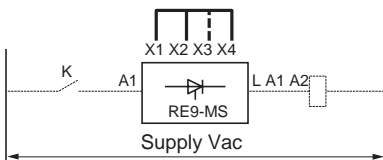
Selection of timing range:

X3-X4 not jumpered: range 3-300 s (factory configuration)

X3-X4 jumpered: range 0.1-10 s

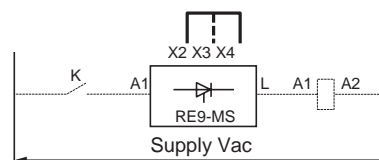
Repeat cycle ☒ ☒

Start on energization of the load



Repeat cycle ☒ ☒

Start on de-energization of the load



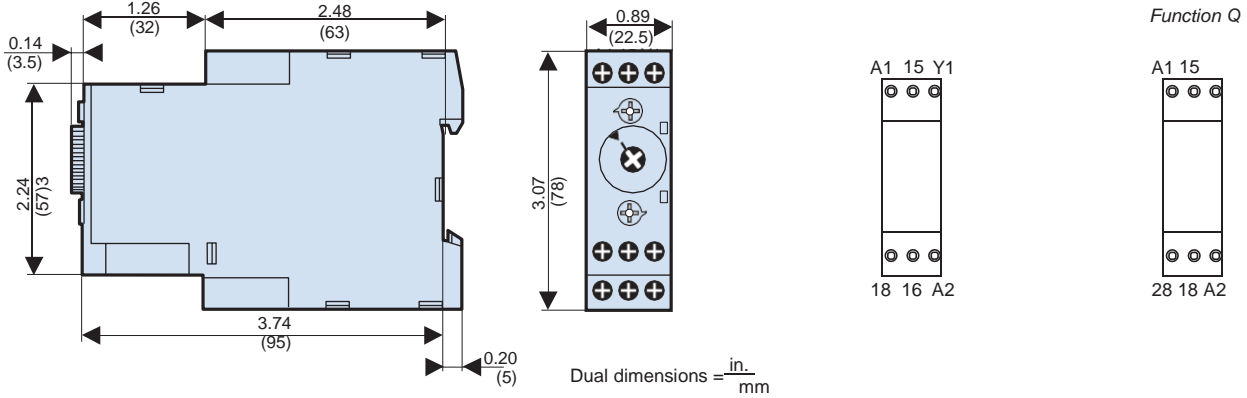
☐ ☐ May need to be jumpered.  
☒ ☒ Must be jumpered

Jumper to be made between terminals X2 and X4 on one side and X1 and X2 on the other side.

Jumper to be made between terminals X2 and X4.

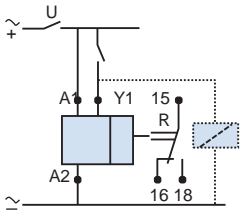
NOTE: For supply voltages greater than 30 V, the rated voltage of the load is equal to the supply voltage. For a supply voltage of 24 V, the voltage drop in the RE9 timer must be taken into account (about 3 V); select a coil with a nominal voltage of 21 V for the load.

**Dimensions and terminal locations for RE88865 models**

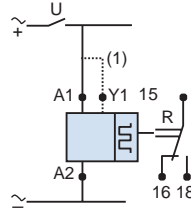


**Wiring connection diagrams for RE88865 models**

**All functions except L and Li**

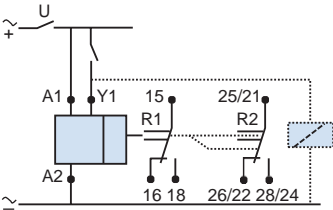


**Functions L and Li**

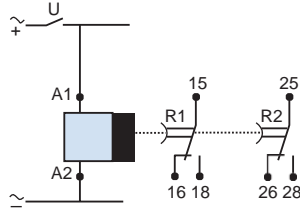


(1) Jumper A1-Y1 for function L only

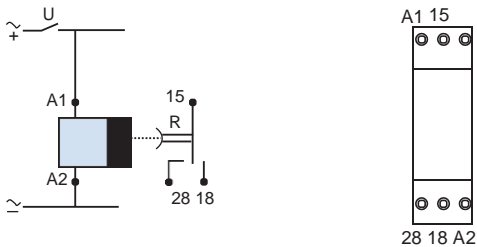
**All functions except K**



**Function K**



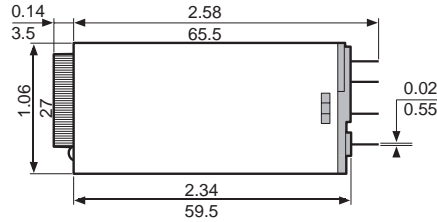
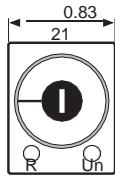
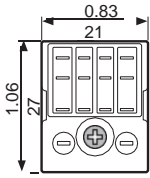
**Function Q**



Dimensions and terminal locations for REXL models

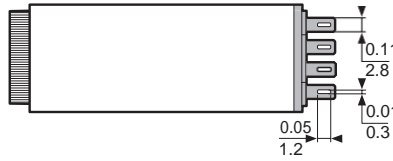
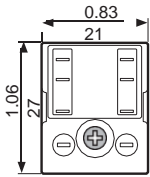
Approximate dimensions

REXL4TMpp



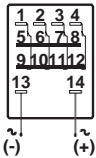
Dual dimensions =  $\frac{\text{in.}}{\text{mm}}$

REXL2TMpp

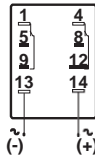


Terminal locations

REXL4TMpp

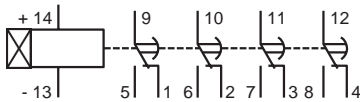


REXL2TMpp

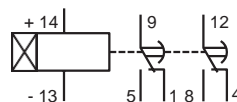


Wiring connection diagrams for REXL models

Timer with 4 C/O contacts



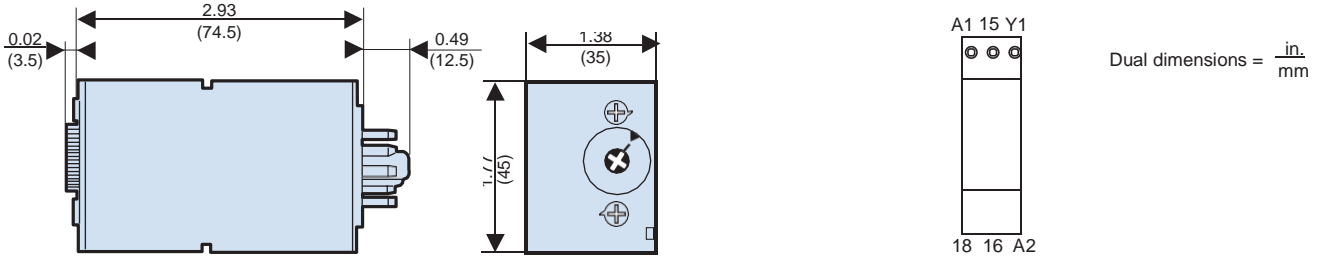
Timer with 2 C/O contacts



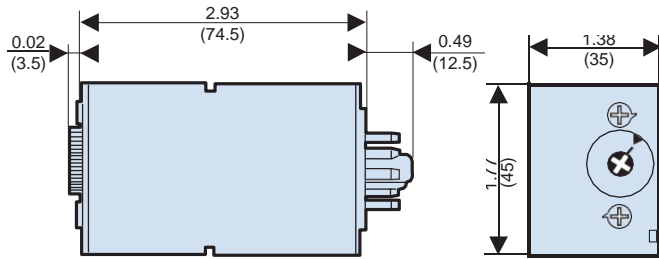


**Dimensions and terminal locations for RE88867 plug-in timers (8-pin, relay output)**

**Approximate dimensions**

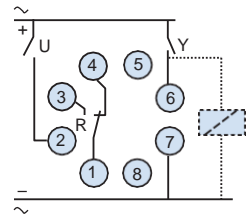


**Dimensions and terminal locations for RE88867 plug-in timers (11-pin, relay output)**

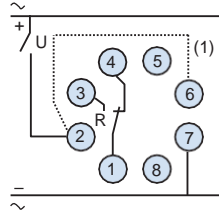


**Wiring connection diagrams for RE88867 plug-in timers (8-pin, relay output)**

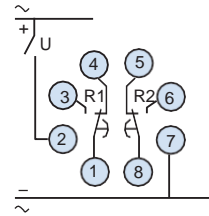
**Timing relays with 1 relay output  
All functions except L and Li**



**Functions L and Li**



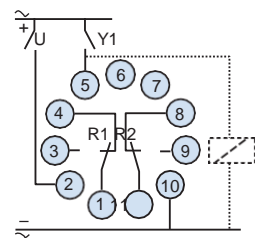
**Timing relays with 2 relay outputs  
Function A**



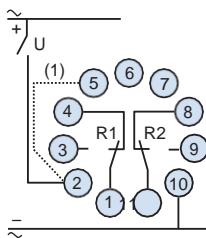
(1) Jumper between pins 2 and 6 for function L only

**Wiring connection diagrams for RE88867 plug-in timers (11-pin, relay output)**

**All functions except L and Li**



**Functions L and Li**

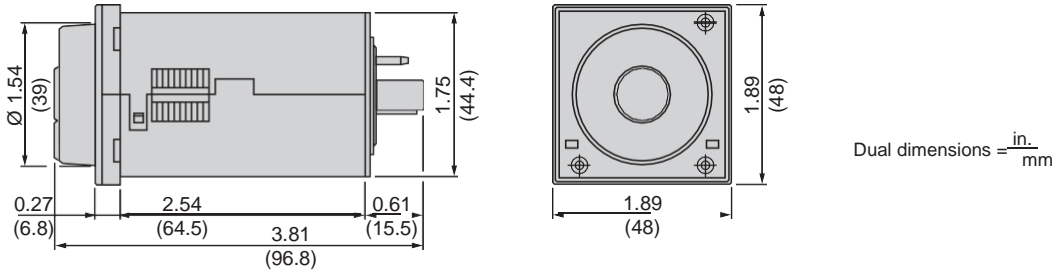


(1) Jumper between pins 2 and 5 for function L only

## Dimensions for RE48 models

### Approximate dimensions

RE48App1pMW



### 8-pin socket

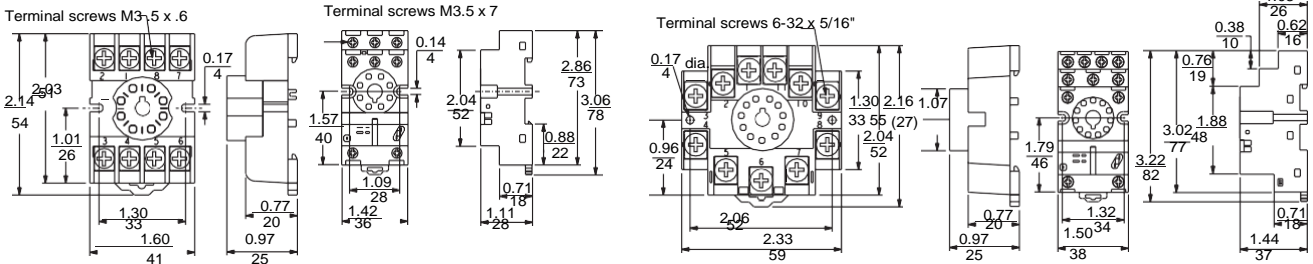
8501NR51

8501NR52

### 11-pin socket

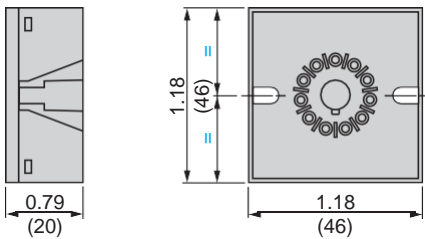
8501NR61

8501NR62



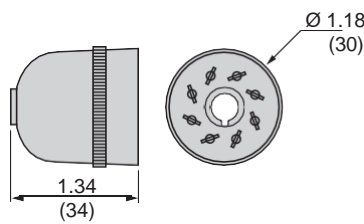
### 11-pin socket

RE48ASOC11AR



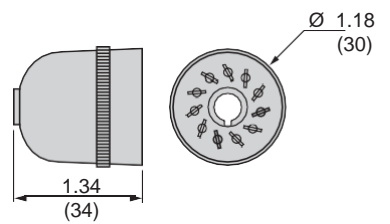
### 8-pin connector

RE48ASOC8SOLD



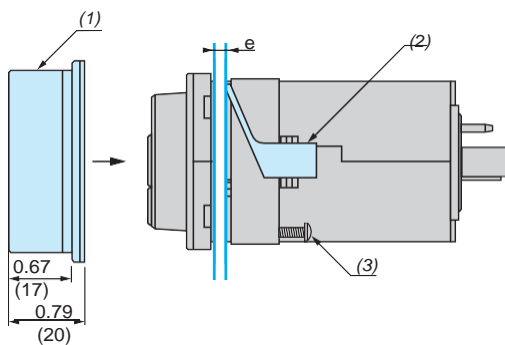
### 11-pin connector

RE48ASOC11SOLD

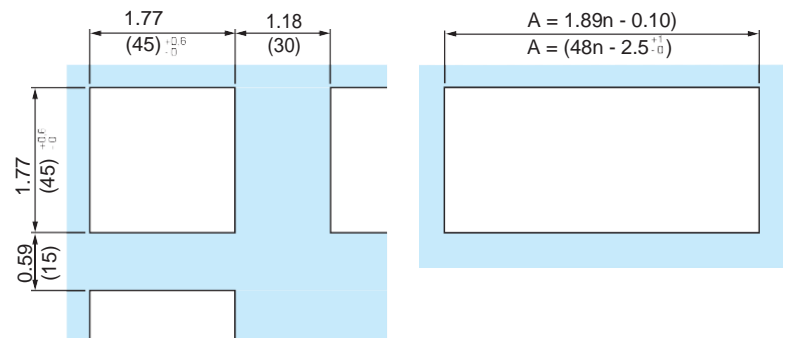


## Mounting

### Cover positioning and mounting



### Panel cut-out



e: panel thickness

(1) IP64 protective cover: RE48AIPCOV

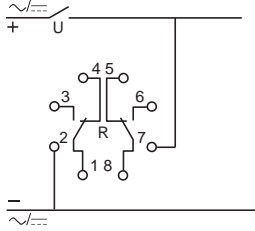
(2) Panel mounting frame

(3) Locating screw

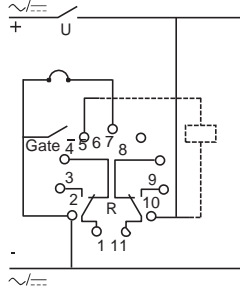
n: number of devices mounted side-by-side

## Wiring connection diagrams for RE48 panel-mount timers

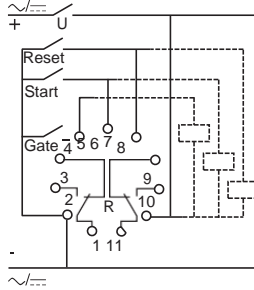
RE48ATM12MW



RE48ACV12MW



RE48AML12MW



RE48AMH13MW

