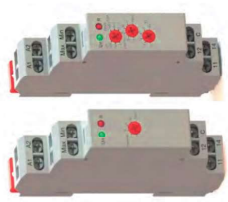


# Level control relay



## General

- Applications
  - Designed for monitoring level in wells, basins, reservoirs, tanks.....
- Function Features
  - In one device you can choose the following configurations:
    - 2 level control mode
    - 1 level control mode
  - Choice of function PUMP UP, PUMP DOWN.
  - Adjustable time delay on the output (0.5 - 10s).
  - Sensitivity adjustable by a potentiometer (5-100kΩ).
  - Galvanically separated supply voltage AC/DC 24-240V.
  - Relay status is indicated by LED.
  - 1-MODULE DIN rail mounting.

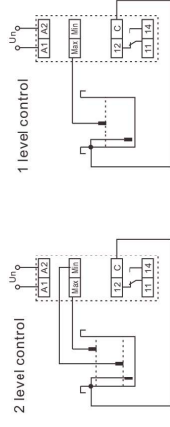
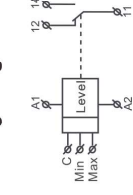
## Model and connotation



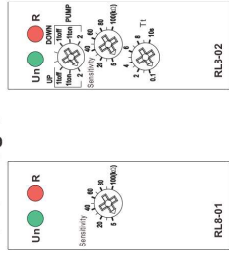
## Technical parameters

Technical parameters	FRL8-01	FRL8-02
Function	2 level control mode	2 or 1 level control mode
Supply terminals	A1-A2	A1-A2
Voltage range	AC/DC 24-240V(50-60Hz)	
Input	max.ZVA	
Supply voltage tolerance	-15%; +10%	
Sensitivity (input resistance)	adjustable in range 5 kΩ-100 kΩ	
Voltage in electrodes	max. AC 3.5V	
Current in probe	AC < 0.1 mA	
Time response	max. 400 ms	
Max. capacity of probe cable	800 nF (sensitivity 5kΩ), 100 nF (sensitivity 100 kΩ)	
Time delay (t)	adjustable, 0.5 - 10 s	
Time delay after power on	1.5 s	
Accuracy (setting (mechanical))	± 5%	
Temperature coefficient	0.05%/°C.at=20°C(0.05%/°F . at=68°F)	
Output	1×SPDT	
Current rating	10A/AC1	
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	red LED	
Mechanical life	1×10 <sup>6</sup>	
Electrical life(AC1)	1×10 <sup>5</sup>	
Reset time	max.200ms	
Operating temperature	-20°C to +55°C (-4°F to 131°F)	
Storage temperature	-35°C to +75°C (-22°F to 188°F)	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP40 for front panel/IP20 terminals	
Operating position	any	
Overvoltage category	III.	
Pollution degree	2	
Max cable size(mm <sup>2</sup> )	solid wire max.1×2.5or 2×1.5 with sleeve max.1×2.5(AWG 12)	
Dimensions	90×18×64mm	
Weight	81g	81g
Standards	IEC/EN 62055-1, IEC/EN 61010-1	

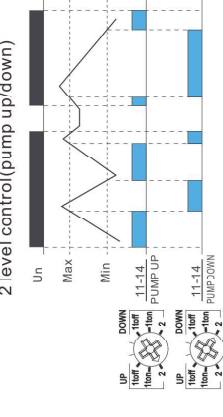
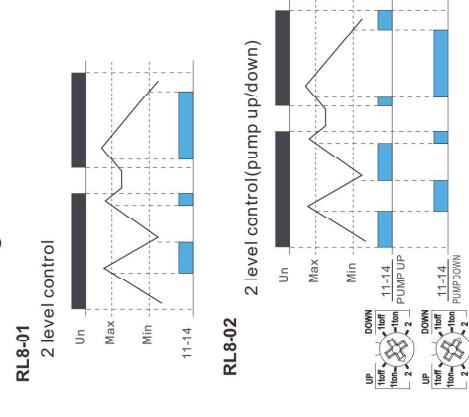
## Wiring Diagram



## Panel Diagram



## Functions Diagram



## Dimensions (mm)

