

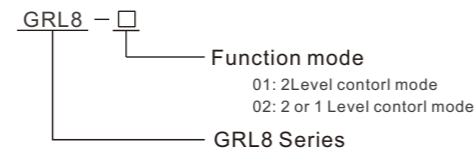
**Applications**

-Designed for monitoring level in wells, basins, reservoirs, tanks.....

**Feature**

- 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 (0.1 - 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**

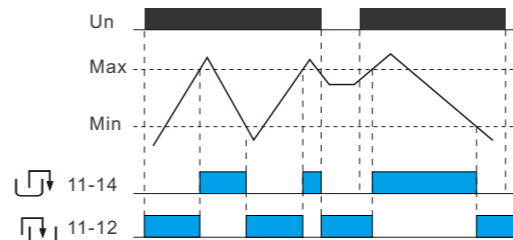


**Technical parameters**

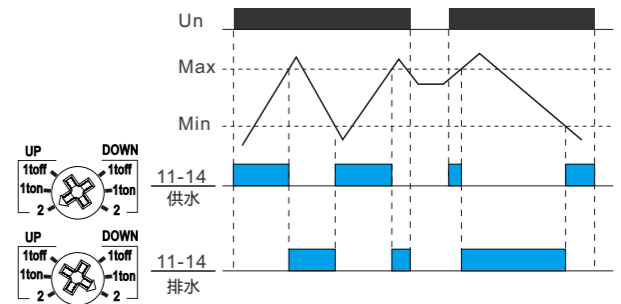
	GRL8-01	GRL8-02
Function	2 level control mode	2 or 1 level control mode
Supply terminals	A1-A2	
Voltage range	AC/DC 24-240V(50-60Hz)	
Input	max.2VA	
Supply voltage tolerance	-15%;+10%	
Sensitivity ( input resistance)	adjustable in range 5 kΩ - 100 kΩ	
Voltage in electrodes	max. AC 5 V	
Current in probe	AC <0.1 mA	
Time response	max. 400 ms	
Max. capacity length	800 m (sensitivity 25kΩ), 200 m (sensitivity 100 kΩ)	
Max. capacity of probe cable	400 nF (sensitivity 25kΩ), 100 nF (sensitivity 100 kΩ)	
Time delay (t)	adjustable, 0.1 - 10 s	
Accuracy in setting (mechanical)	± 10 %	
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>7</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 158°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	61g	81g
Standards	EN 60255-1	

**Functions Diagram**

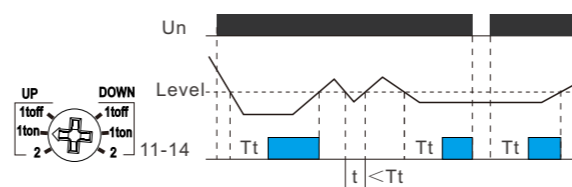
**GRL8-01 2 level control**



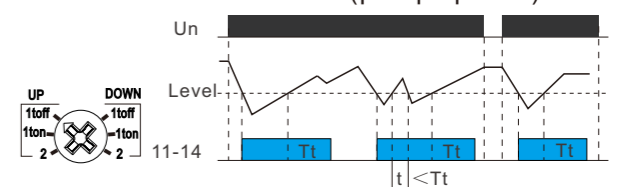
**GRL8-02 2 level control(pump up/down)**



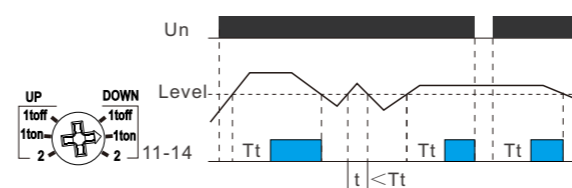
**GRL8-02 1 level control(pump up t on)**



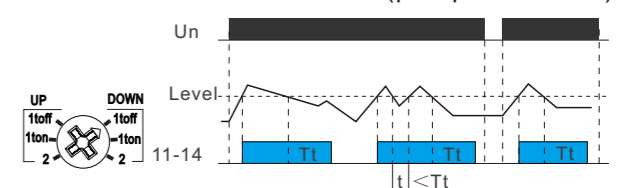
**GRL8-02 1 level control(pump up t off)**



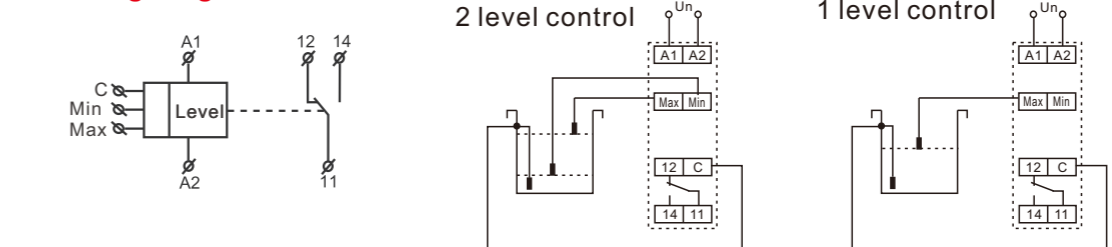
**GRL8-02 1 level control(pump down t on)**



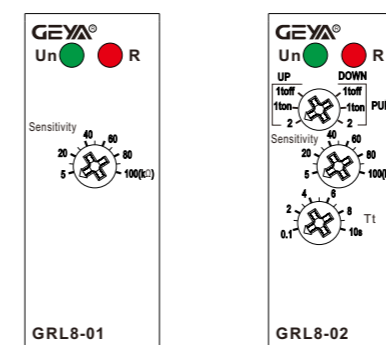
**GRL8-02 1 level control(pump down t off)**



**Wiring Diagram**



**Panel Diagram**



**Dimensions(mm)**

