



ALN/AL2N LEVEL CONTROL RELAY User's Manual

SAFETY PRECAUTION This manual uses the following symbols to ensure safe operation of this product.

- WARNING** Warnings are indicated when mishandling this product might result in death or serious injury to user.
- CAUTION** Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to the timer.

WARNING

- Note this incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the product. Doing so might cause electric shock or faulty operation.

CAUTION

- Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere and etc.). Failure to do so might cause fire or faulty operation.
- Make sure the product is firmly connected to the socket. Failure to do so might cause electric shock or fire.

RESTRICTIONS ON USE

When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary.

SPECIFICATIONS		NAMES AND FUNCTIONS OF FACEPLATE	
Operating voltage	AC(V): 24, 110, 120, 220, 230, 240	Power indicator(Green)	<p>Legend: <input type="checkbox"/> N.C. 1. Switch to N.O., then contact (a) is for water-supply, and contact (b) is for drainage. <input checked="" type="checkbox"/> N.O. 2. Switch to N.C., then contact (a) is for drainage, and contact (b) is for water-supply.</p>
Allowable operating voltage range	85~110% of rated operating voltage		
Rated frequency	50 / 60 Hz		
Contact rating	250VAC 5A (Resistive load)		
Electrode voltage	20VAC		
Sensitivity rang	5K ~ 100KΩ		
Response time(water high)	Approx. 300 ms		
Response time(water low)	Approx. 500 ms		
Power consumption	Approx. 3VA		
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times		
Ambient temperature	-10 ~ +50 °C		
Ambient humidity	MAX 85% RH		
Weight	Approx. 160g		

CONNECTION

