

ALN/AL2N LEVEL CONTROL RELAY **User's Manual**

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 failsafe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary.

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SAFETY PRECAUTION This manual uses the following symbols to ensure safe operation of this product. Warnings are indicated when mishandling this product might result in death or serious injury to user.

Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to the timer. A CAUTION

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.
- NAMES AND FUNCTIONS OF FACEPLATE SPECIFICATIONS Operating voltage AC(V): 24, 110, 120, 220, 230, 240 Power indicator(Green) Allowable operating voltage range 85~110% of rated operating voltage Rated frequency 50 / 60 Hz LEVEL CONTROL LEVEL CONTRO RELAY RELAY Contact rating 250VAC 5A (Resistive load) Sensitivity adjustment 20VAC Electrode voltage Sensitivity rang 5K ~ 100KΩ Contact type setting Response time(water high) Approx. 300 ms 5K 🛛 Response time(water low) Approx. 500 ms Power consumption Approx. 3VA TYPE ALN TYPE AL2N -0 Life Mechanical : 5,000,000 times / Electrical : 100,000 times Contact type Contact indicator(Red) Ambient temperature -10 ~ +50 °C N.C. 1.Switch to N.O., then contact (a) is for water-supply. and contact (b) is for drainage.
 N.O. 2.Switch to N.C., then contact (a) is for drainage, and Ambient humidity MAX 85% RH contact (b) is for water-supply Weight Approx. 160g CONNECTION ALN-08 ALN-08A ALN-11 Water-supply running Water-supply running Water-supply running S Power source S Power source S Power source Knife Knife Knife ξ 2 ŝ Ş 8 200 2 ¢ Ş switch switch switch Magnetic switch Magnetic switch Magnetic switch Stop Stop Stop Control range Control range Control range Start Start Start OL OL OL /////// DIMENSION(mm) AL2N-11 Water-supply running with prevention of idle running of pump. R s Power source L L 9 Knife 0 Ś Ś Ş switch ush-button switch 5 80.5 75.3 gnetic switc. φ4x2 Π Contro
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30

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73.3

93.4

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16.1