

# INSTALLATION INSTRUCTION

## MODEL TYPE: S2 ALT1

### ALTERNATING RELAY



#### Description:

Thank you for selecting & purchasing minilec make alternating relay for two pumps.

#### MODEL: S2 ALT1

The following installation will guide you while installing S2 ALT1 and making the best use of it as per desired application.

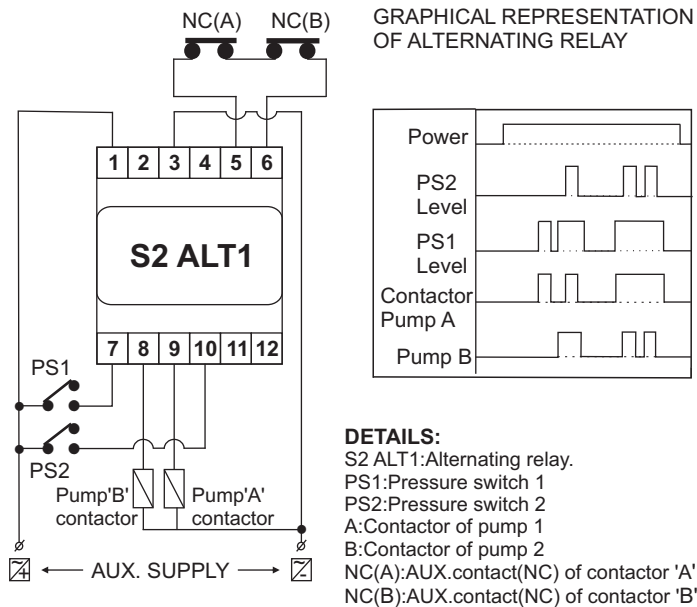
S2 ALT1 is alternating relay for two pumps that permits the control and inversion of two pumps in alternating system. The system operates on state of pressure switch in the absence of water. By inserting second pressure switch it is possible to operate both pumps when one is insufficient to maintain the pressure of the system in the required supply conditions. Further more, in the event of faulty pump the relay recognizes the state and switch over the operation to the other pump thereby always allowing water delivery.

Thanks to the alternating relay, it is possible to realise the control of conventional autoclave system, with the sole additional of the contactor and the overload relay, at greatly reduced cost.

#### TECHNICAL SPECIFICATION:-

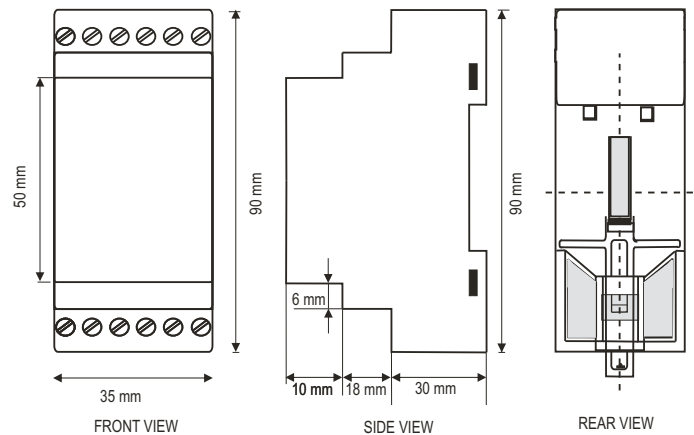
- |                         |  |
|-------------------------|--|
| 1. Aux. supply          | : 24/110/115/220/230/240/380/415 VAC<br>24 VDC $\pm$ 15%                               |
| 2. Frequency            | : 50 Hz / 60 Hz $\pm$ 3%   |
| 3. Power consumption    | : 15 VA max.   |
| 4. Output relay contact | : 2 NO   |
| 5. Output relay rating  | : 5 Amp @ 240 VAC, resistive   |
| 6. Indication           | ON : Power on (green)<br>Rly : Relay on (red)  |
| 7. Operation            | : 30 operation/minute(max)   |
| 8. Life expectancy      | Mechanical : $1 \times 10^6$ operation<br>Electrical : $0.5 \times 10^6$ @ 100% rating |
| 9. Enclosure            | : S2 Series, ABS/ PC-ABS   |
| 10. Dimension(Overall)  | : 90X 35X60 mm   |
| 11. Mounting            | : 35mm Din Rail mounting.  |
| 12. Weight              | : 135 gms (approx)   |
| 13. Operating condition | Temp : $-5^{\circ}\text{c}$ to $+60^{\circ}\text{c}$ .<br>Humidity : up 90% Rh.        |

#### WIRING & CONNECTION



- NOTE:-**
- 1) The coil voltage of both contactor & AUX. supply of S2 ALT1 should be same.
  - 2) Caution AUX. supply will be passing through PS1 & PS2 on the water line(pipe).
  - 3) For DC supply, connect +ve to 1 and -ve to 3.

#### MOUNTING ON DIN RAIL:-



Manufactured by :

**minilec**<sup>®</sup>

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S.NO.1073/1-2-3, AT POST: PIRANGOOT, TAL: MULSHI,  
DIST.: PUNE (INDIA), PIN: 412111.

VERSION 01  
(03/11/2015)

#### WARRANTY

AGAINST

ALL MANUFACTURING DEFECTS FOR 18 MONTHS FROM THE DATE OF SUPPLY OR 12 MONTHS FROM THE INSTALLATION WHICHEVER IS EARLIER.