

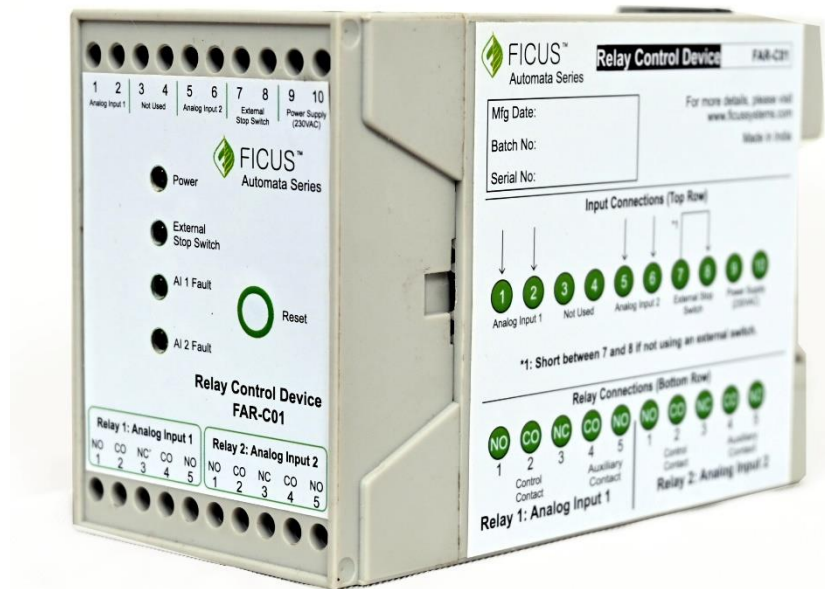
# Datasheet

## Relay Control Device

FAR-C01

### Moisture & temperature protection relay

The Relay Control Device can be used to protect the Non-Clog Submersible (NS) pumps from moisture ingress due to seal failure and prevention of high temperature in motor windings of the pumps.



### Product Feature

- Pump Motor Protection from Water ingress due to seal leakage
- Pump motor protection from over temperature
- Reduces panel building cost by avoiding multiple monitoring relays
- Reduces pump downtime
- User friendly & highly reliable
- Detection of sensor availability & malfunction.

- Low sump level protection.
- Failsafe mode of operation
- Independent of pump motor rating

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## Product Details

- Auxiliary supply: 1 Phase 230 V AC
  - Output contact:
    - Leakage: 2 NO, 1 NC
    - Temperature: 2 NO, 1 NC
  - LED status indications:
    - Power on
    - Sump level
    - Seal Leakage
    - Over Temperature
  - Compact size
  - Easy to interface with starter with duplicate contacts
  - Dimensions (W x H x D): 55X75X107.5
  - Mounting: DIN Rail,
  - Degree of protection: IP 20
  - Microcontroller working temperature range: -40° to 85° degree Celsius
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## Technical Details

### Inputs:

- Rated auxiliary supply voltage: PMU – MTI – 2R 230 V
- AC, 50 Hz
- Rated auxiliary supply voltage tolerance: -10% to +10%
- Rated frequency: 50 Hz

### Input sensor 1:

In the absence of moisture, it is open circuit. In the presence of moisture, resistance can vary from 200k to 50k approx. in any environment

#### M1 – M2

- Monitoring Function: Seal leakage monitoring
- Number of Sensors: 1
- Short circuit monitoring: Available
- Open circuit monitoring: Available

### Input sensor 2:

PT100. It can measure temperature from -80° to 850° Celsius where resistance can vary from 70 ohm to 400 ohm.

#### T1 – T2

- Monitoring Function: Seal leakage monitoring
- Number of Sensors: 1
- Short circuit monitoring: Available
- Open circuit monitoring: Available

### Input sensor 3

#### +24V Sump Tank

- Monitoring Function: Sump tank level using float switch
  - Number of Sensors: 1
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## Connection Details

