

revision

0.0

GU01 Manual



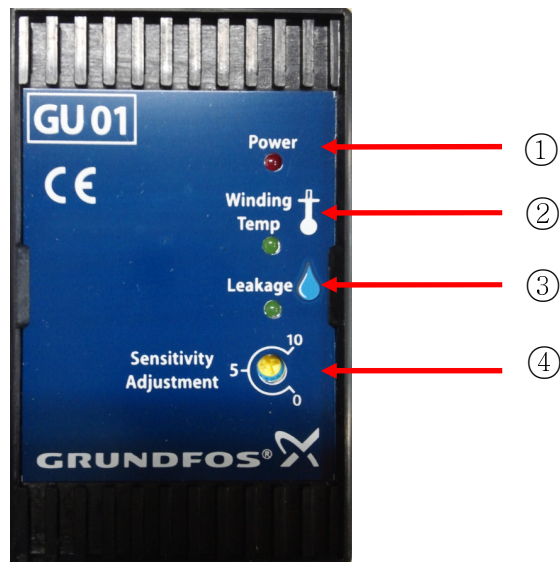
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1. General

Gu01 is designed to monitor pump for safe use by alarm contact output which is received signals from motor temperature sensor and leak detection sensor in the pump.

- Construction : Plug In
- Mounting : Wall or DIN Rail
- Wiring : M3.5 Screw Terminal
- Adjustment: Moisture Sensing Range 0 ~ 20k Ω

2. Nomenclature



- ① Power Lamp
- ② Thermal Protector(Bi-metal type) : Status Indication lamp
- ③ Leakage Sensor(Electrode type) : Status Indication lamp
- ④ Sensitivity Adjustment : Moisture Sensing Range 0~20k Ω

3. Name Plate

GU01 Name Plate

4. Input

- CH1 : Thermal protector (Bi-metal type)
- CH2 : Leakage sensor (Electrode type)

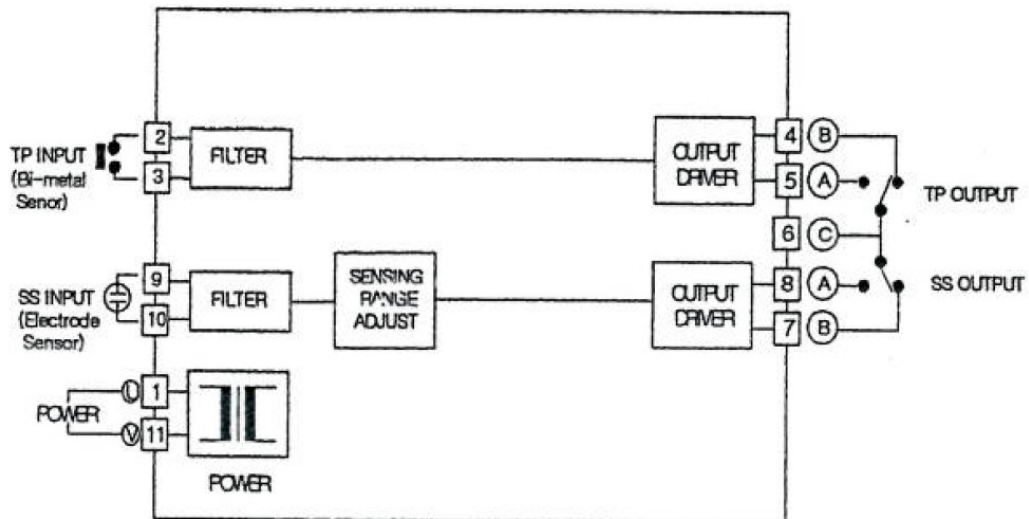
5. Output

- Type : Relay contact
- Contact Capacity : 120VAC/2A
- Contact Type : NC & NO
- Voltage to Sensor : DC 8V

6. Installation

- Input Rated Voltage : AC : 110V/230Vac, 50/60Hz \pm 10%
- Power Consumption : 3VA
- Selection : 110/230Vac Switch in the Rear Plane
- Max. Surrounding Air Temperature : 40 °C
- Operating Humidity : 10 ~ 90%RH Max (Non-condensing)
- For use in Pollution Degree2 Environment
- All Terminals for Factory Wiring only
- Insulation Resistance : 100M Ω or more with 500VDC
- Dielectric Strength : 1,500VAC at 1 minute (Input to Output to Power)
2,000VAC at 1 minute (Input or output or power to ground)

7. 11Pin Socket Connection Diagram



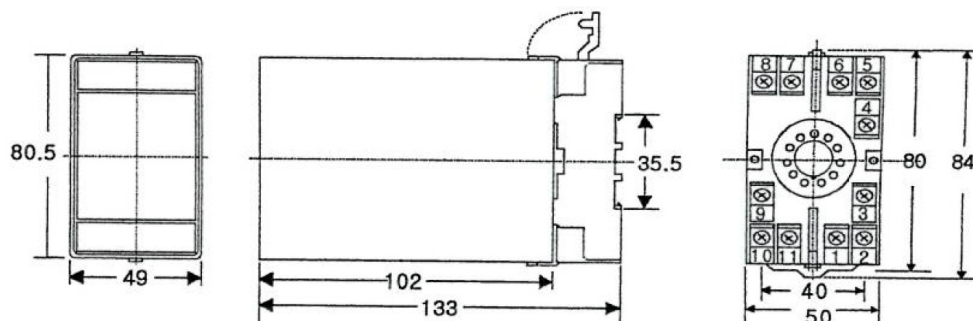
7.1 Connection

- T2-T3 : Input (TP)_Temperature Sensor (Bi-Metal)
- T9-T10 : Input (SS)_Moisture Leakage Sensor (Electrode)
- T1-T11 : 110/230Vac Input
- T4 : TP Output B Type Contact
- T5 : TP Output A Type Contact
- T6 : Relay Contact Common
- T7 : SS Output B Type Contact
- T8 : SS Output A Type Contact

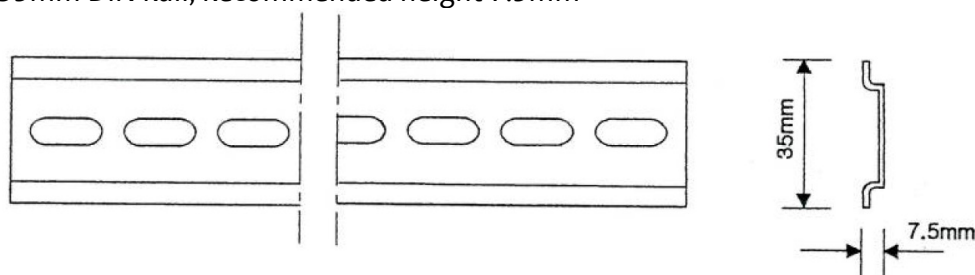
7.2 Terminal Wire Size

- Terminal No. 2, 3, 9, 10 (Sensor Input)
AWG22~14
- Terminal No. 1, 11 (AC V Input)
AWG20~14
- Terminal No. 4, 5, 6, 7, 8 (Output)
AWG18~12




8. Dimension



35mm DIN Rail, Recommended height 7.5mm



9. Caution

-  This unit is for both of 110&230 voltage so please make sure that the voltage selection switch is set to the correct voltage. Unless the rated voltage is inputted correctly it might cause malfunction.
-  Be careful to use over the capacity of contact point in the output relay.
-  When the product is normally installed on the socket. Be careful to lock safely with the latches on it.