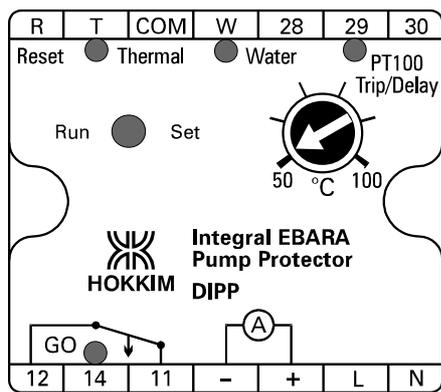


Model : **DIPP**  
 Description : Integral Pump Protection Relay

### Utilization:

The DIPP is specially designed for EBARA pumps with the following functions:

- 1) Thermal normally closed contacts detection with amber LED indication. If thermal contacts open, indicating fault, the LED will go off and the RUN relay will trip.
- 2) Water Level normally closed contacts detection with amber LED indication. If leakage occurs and water enters the motor housing, the water level contacts open and the LED will go off and the RUN relay will trip.
- 3) Pt-100 bearing temperature detection with trip setting adjustable from 0-10mA. Connect millimeter to the +VE and -VE terminals provided. Push the toggle switch to SET position. Adjust mA knob to desired setting (max 5mA for 75°C). Push back the toggle switch to RUN position. When bearing temperature increases, the temperature rise will be indicated by the millimeter. When it reached the SET trip point, the red (Trip/Delay) LED will be lighted. After a delay of about 3 seconds, the Go (Green) LED will go off and the RUN relay will trip.
- 4) Whenever tripping of RUN relay occurs, it will be latched in the trip position until the RESET button is pressed. The unit can only be reset if the fault or faults have been cleared. If this feature is not required, just short the terminals R1-R2 In which case the unit will reset automatically when the fault is cleared.



### Technical Data

|                 |  |
|-----------------|--|
| Supply Voltage  | : □240VAC □115VAC  |
| Frequency       | : 50/60Hz  |
| Power Rating    | : 6VA  |
| Consumption     | : 2VA  |
| Analog Output   | : 0-10mA range 50°C-100°C (0.2mA/°C)   |
| Probe           | : Pt100  |
| Trip Setting    | : 0-10mA ( 50°C-100°C)   |
| Indication      | : Amber LED 1 (Thermal)<br>Amber LED 2 (Water)<br>Red LED (Pt-100 Trip)<br>Green LED (System Go) |
| Output Contacts | : 5A 240V 50Hz AC1   |
|                 | Go 11-14 Close<br>11-12 Open   |
|                 | Fault 11-14 Open<br>11-12 Close  |

