

# Transformer Temperature Monitor & Controller : EE-802



**EE-802**

EMCO Electronics Oil and Winding Temperature Controller EE-802 is a combined Oil and Winding Temperature Indicator cum Controller that replaces traditional Analog type Oil and Winding Temperature Controller in the Marshalling box. It saves on both **Cost** and **Space** since it has both OTI and WTI integrated in one unit. It also requires much less efforts in wiring. It accepts PT-100 Sensor for OTI and 5A Current for WTI as inputs. OTI indicates the actual oil temperature whereas WTI indicates simulated temperature based on Oil temperature and gradient as per the current through C.T. It provides 4 relays for controlling Fan, Cooler 1, Cooler 2 and Trip with individual set points for each OTI and WTI. It also provides dual 4-20mA outputs for OTI and WTI each. These outputs can be used for Remote indication and SCADA connectivity.

## Features

- ❖ Microcontroller based circuit
- ❖ Integrated Oil and Winding Temperature Controller
- ❖ Digital readout of Oil and Winding Temperature
- ❖ Replaces Analog type Controllers
- ❖ 4 set points viz Alarm, Cooler 1, Cooler 2 and Trip for Oil and Winding each
- ❖ Dual 4-20mA Output for Oil and Winding each
- ❖ Programmable C.T. Current and Gradient Temp. for Winding
- ❖ Maximum Temperature recording and reset
- ❖ Highly accurate and reliable
- ❖ Rigid and Sturdy design

## Technical Specifications

|             |  |                |  |
|-------------|--|----------------|--|
| Aux. Supply | : 95-260V AC/DC, 10 VA                       | Max. Current   | : 6A (max)                               |
| Display     | : Dual 4 digit, 7-seg. LED                   | Temp. Grad.    | : 75°C (max)                             |
| Temp. Range | : 0°C to 150°C                               | Delay          | : 0 to 60 Secs.                          |
| Resolution  | : 0.1°C                                      | Hysteresis     | : 0 to 20°C                              |
| Accuracy    | : $\pm 2^\circ\text{C}$                      | Set Points &   | : 0°C to 150°C settable for Fan          |
| Inputs      | : PT-100 Sensor & C.T.                       | Ctrl. Relays   | : Cooler 1, Cooler 2, Trip               |
| Outputs     | : Dual 4-20mA for OTI & WTI each.            | Contact Rating | : 5A @ 230V AC / 24V DC                  |
| Control     | : 4 Control Relays with individual setpoints | Enclosure      | : Projection type, Metallic              |
|             |  | Overall size   | : 265 x 215 x 110 mm $\pm 5$ (W x H x D) |
|             |  | Mounting       | : 235 $\pm 5$ x 150 $\pm 5$ mm (W x H)   |

Product specifications are subject to change without notice.

## EMCO ELECTRONICS

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