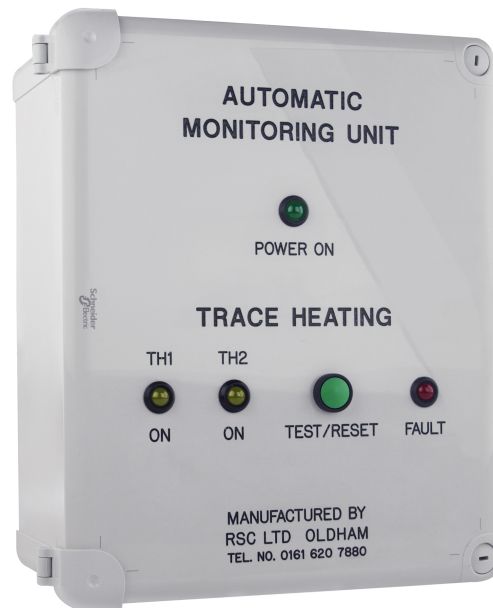


## **SINGLE AUTOMATIC TEST MONITOR UNIT**



**THIS UNIT IS DESIGNED TO OPERATE TRACE HEATING SYSTEMS TO BSEN12845.**

### **HOW THE UNIT OPERATES**

This unit is fully automatic and monitors the integrity of the trace heating circuits every 2.5 hours. If the system is working correctly the unit will remain dormant, should the monitoring unit detect a fault on the primary trace heating circuit the unit will switch over to the secondary trace heating circuit this will be indicated by the illumination of the Amber TH2 lamp on the front of the unit, the Red fault lamp will also be illuminated. In addition to this visual indication the volt free contacts on the PCB will change over, this output can be connected to most BMS and alarm / monitoring devices.

The fault indication cannot be reset until the trace heating system fault has been rectified. The trace heating outputs primary and secondary are protected by fused output terminals and fuses are rated to customers load requirements.

For the system to operate correctly, both primary and secondary trace loads must be equal. The monitor unit incorporates the latest PCB technology and will not require any day to day maintenance once the unit has been set up at commissioning.

With the mains power supply, both trace heating circuits and temperature probe connected, as per the enclosed wiring diagram to the unit turn on the control MCB located inside the unit. The Green Power On lamp should be illuminated and the unit is now ready to be set up / commissioned.

Please see the enclosed information on trace heating board set up.

#### **Real Systems Controls Limited**

Unit 14/14a, Woodend Mill, South Hill, Springhead, Oldham, OL4 5DR  
Tel: 0161 620 7880 | Email: [info@realsystemscontrols.co.uk](mailto:info@realsystemscontrols.co.uk)