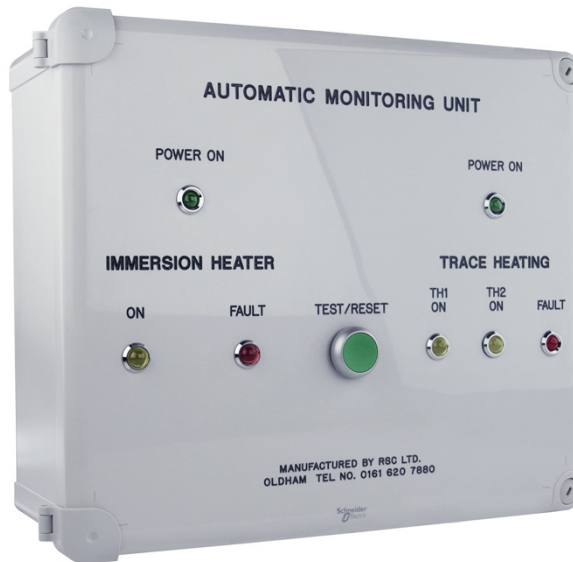




real systems controls

L I M I T E D

DUAL AUTOMATIC TEST MONITOR UNIT **IMMERSION HEATER & TRACE HEATING**



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 immersion heater & 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, a fault on the immersion heater will be indicated by the immersion heater Red fault lamp being illuminated on the front of the unit. In addition to this visual indication the volt free contacts on the PCB's will change over, this output can be connected to most BMS and alarm / monitoring devices.

A manual test / reset can be performed by use of the green push button on the front of the panel.

The fault indication cannot be reset until the trace heating system / immersion heater 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. The immersion heater output is protected by a 16 amp mcb.

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, and immersion heater connected, as per the enclosed wiring diagram to the unit turn on the control MCB located inside the unit.

The Green Power On lamps should be illuminated and the unit is now ready to be set up / commissioned.

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

The immersion heater board is factory set and should not require any adjustment for commissioning.

Should you encounter any problems please contact our technical department on the following number: 0161 620 7880.

Real Systems Controls Limited

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