

Introduction

The TL72 is primarily intended to provide a simple low cost, easy to install means of sensing excessive heat above a gas/oil fired boiler or other heat source. On reaching approximately 72° C the sensing element open circuits and in so doing interrupts the electrical circuit to the plant. The TL72 should be used in conjunction with emergency stop pushbuttons, gas sensing equipment and gas solenoid valves to form a comprehensive boiler house safety system. The unit comes in two parts; the perforated lid which houses the thermal fuse and terminals and a 20mm galvanised conduit end box, this can be changed to suit specific containment requirements. i.e. Through or tee box.

Installation

The containment system can be installed making due allowances for the conduit boxes for the TL72 and the cabling installed.

At 2nd fix the sensor can be connected using the spring clamp terminals and the lid fixed into place.

The box should be mounted above the heat source with the perforated plate facing towards it. The rear of the box should be kept clear of obstruction to ensure airflow over and through the unit. It is recommended that LSF sheathed cable be used, the installation to comply with IEE 17th edition regulations.

The TL72 (s) should be connected in series with each other and any other safety devices to maintain a plant relay/contactors. It is recommended with pilot flame equipment that on operation of the circuit the plant relay/contactors `latches out` until manually reset.



Technical

Rating up to 240v 10A.series connection only. The TL72 operates to open circuit at 72° C ±6 ° C. Cable connections not to exceed 2.5mm. Earth connection terminal provided.

The actual sensor casing is at the maximum voltage present, please ensure that the lid is securely fitted to an appropriate conduit box.

Perforated lid is stainless steel for strength and durability. Due to the ventilated lid indoor use only!