

## ATEX Certified Temperature Controller – Comprehensive Solution for Hazardous Areas

Comprehensive ATEX approved closed loop controller facilitating all likely combinations of temperature and power control. Features digital on-off temperature control, over temperature shut off (temperature set by manufacturer), relay temperature alarm and a full wave power controller with zero crossing switching. Supplied with 2 x 3m PT100 magnetic temperature sensors to be placed on drum wall and ATEX cable glands / blanking plugs. Simple adjustment of temperature set point by removing enclosure lid (while in safe area). Can be installed in Zones 1 and 2 Ex II 2 G D Ex e ib [ib Gb] mb IIC T4 Ex tb IIIC IP 6X T90°C Db.

It's pretty simple to use - the magnetic sensors go on the drum wall (ideally placed about half way up) Power supply goes into the controller; the heater is connected to the controller to turn it on and off when the temperature is reached.

There are 2 digital displays showing the measured temperatures on both sensors. One display and sensor is the controlling temperature which will cycle the heater on and off around that temperature, the other is the over temperature alarm, which will turn the heater off if reached. A reset button needs to be pressed if the over temperature limit is reached. We set the over temperature limit at 200C, however this can be reduced by us before sending out. The controlling temperature is adjusted by holding a button down and turning a small screw. There are other alarms and outputs. The details are in the operating instructions.

