Heat Tracing Junction Box with Electronic Thermostat (R160/JBETH/1W/6/25A)

Junction Box complete with Electronic Thermostat for temperature control of pipes and vessels.

- Available for use in safe and hazardous areas.
- Ingress Protection IP66.
- Enclosures suitable for Gas Group IIA, IIB and IIC.
- Full range of accessories and termination kits available.

R Series Solution

INTRODUCTION

As part of our commitment to innovation in the industry, Heat Trace Ltd is offering a customised Exd solution.

This electronic thermostat is an adjustable temperature, single-point, ON-OFF thermostat, comprising a Pt100 sensor.

The electronic thermostat has a glass window to monitor the present temperature, set the required temperature, and monitor the heat tracing on/off status.

The electronic thermostat may be used to provide process temperature control in safe areas, or Zone 1 or 2 hazardous areas by switching the heating circuits at the desired temperatures.

The enclosure is made of high grade, cast aluminium and painted with RAL 7035 paint.







SPECIFICATION

ENCLOSURE:

Material:Standard Copper Free AluminiumPaint shade:RAL 7035, light greyProtection:EX (db) - IP66Rated voltage:1.1kV AC / DCArea suitability:Zone 1 / Zone 2, IIA / IIB / IICCable entries:2 off (1 off for power cable, 1 off
for heat tracing cable or Control)

ELECTRONIC THERMOSTAT SPECIFICATION:

Earthing:	Internal and external earthing
Sensor Type:	Pt100
Temperature	
setting adjustment:	set buttons
Sensor tube protection	on: Stainless steel conduit
Sensor lead length:	1.5m
Number of	
terminals: 6	6 off (2 live, 2 Neutral & 2 Earth)

APPROVAL DETAILS:

ATEX	-	CML 23ATEX1502X
IECEx	-	IECEx CML 23.0177X
UKCA	-	CML 23UKEX1503X

EQUIPMENT MARKING:

IECEx:

Gas: Ex db IIC T6/T5 Gb Dust: Ex tb IIIC T85°C/T100°C Db -60°C or -20°C<Ta< +45°C / +60°C / +75°C

ATEX/UKCA:

Gas: ⑤ II 2 G D Ex db IIC T6/T5 Gb Dust: ⑥ II 2 G D Ex tb IIIC T85°C/T100°C Db -60°C or -20°C <Ta< 45°C/+60°C/+75°C

STANDARD KIT CONTENT:

- Junction box with specified entries fitted with with temperature controller, temperature controller bracket.
- Terminal & accessories (terminal, end plate, stopper, shorting link, terminal marker where applicable).
- 2 off stainless steel earthing stud.
- O ring, grub screw, allen key for grub screw.
- Stainless steel certification plate.
- Stainless steel tag plate.
- 2 off M8x12 Stainless nut, bolt and washer set for mounting
- Cable entry marking sticker.
- External earthing stud is fitted with PVC sleeved copper lug.
- Earthing sticker
- Instruction manual
- Wiring diagram.

SAFE USE:

Only certified cable glands & accessories of required Ex protection shall be used.

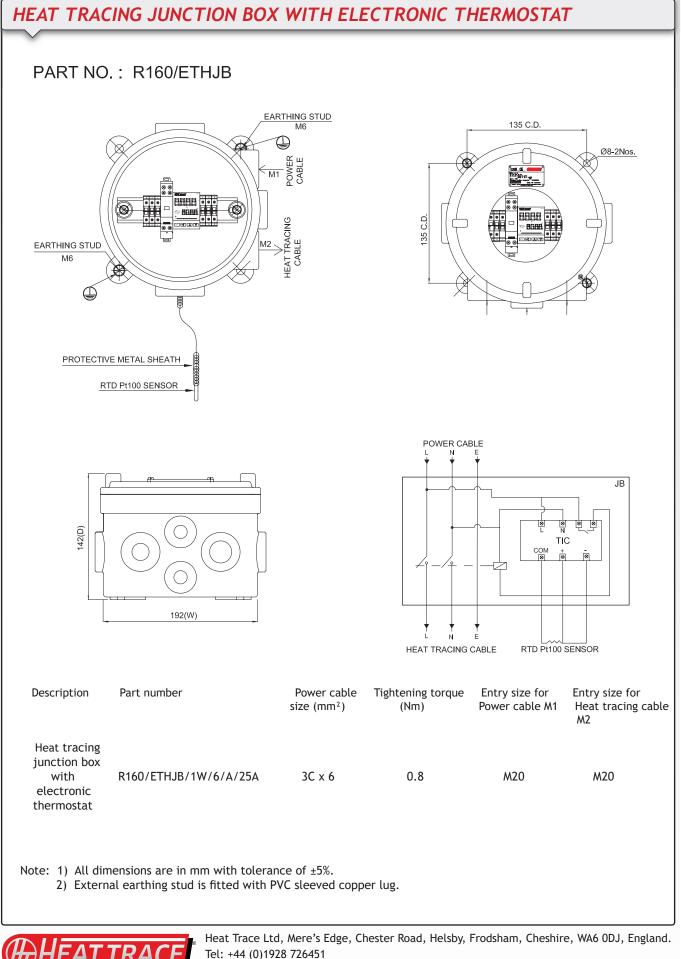
Each entry shall have no more than one thread adaptor. A stopping plug shall not be used with a thread adaptor.

If holes or unused cable entry are left open, explosion protection can no longer be guaranteed.

Close open holes using stopping plugs approved for required type of protection.

ACCESSORIES:

Heat Trace Ltd supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls.



www.heat-trace.com Email: info@heat-trace.com

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