

Two Way Heat Tracing Power Junction Box with Light Indication

(R160/2W/EOL/R, R200/2W/EOL/R)

Junction Box for two Heat Tracing Cables with Indication Light.

R Series Solution

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

INTRODUCTION

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

This junction box is designed to accept a single power cable and connect two heater cables. It includes a fitted red lamp that illuminates when the circuit is energised providing a visual indication that the circuit is energised as required.

As a part of planned preventative maintenance, the circuit can be manually energised and a visual check will confirm that the heating cable is receiving power, which will ensure that the power cable between power supply source and junction box is healthy.

The junction box can be provided in sizes R160 (160mm Dia) or R200 (200mm Dia) which can be configured / customised based on your requirements.

The junction box may be used in safe areas, or Zone 1 or 2 hazardous areas. As standard, the enclosure is made of high grade, cast aluminium and painted with RAL 7035 paint. Other options of material for the construction of the enclosure and paint shade are available on request.



The Heat Tracing Authority™

SPECIFICATION

ENCLOSURE:

Material:	Standard Copper Free Aluminium
Paint shade:	RAL 7035, light grey
Protection:	EX (db) - IP66
Area suitability:	Zone 1 / Zone 2, IIA / IIB / IIC
Cable entries:	4 off (2 off for heat tracing cable, 1 off for power cable & 1 off for indication lamp)
Earthing:	Internal and external earthing
Number of terminals:	6 off (2 Live, 2 Neutral & 2 Earth)
Indication lamp:	Red

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:	⊕ II 2 G D Ex db IIC T6/T5 Gb
Dust:	⊕ 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 Red indication lamp, Din rail, terminal & accessories (terminal, end plate, stopper, shorting link, terminal marker whichever is 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 M8 x 12 stainless steel nut, bolt & washer set for mounting.
- Cable entry marking sticker.
- External earthing stud is fitted with PVC sleeved copper lug.
- Earthing sticker
- Instruction manual

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.

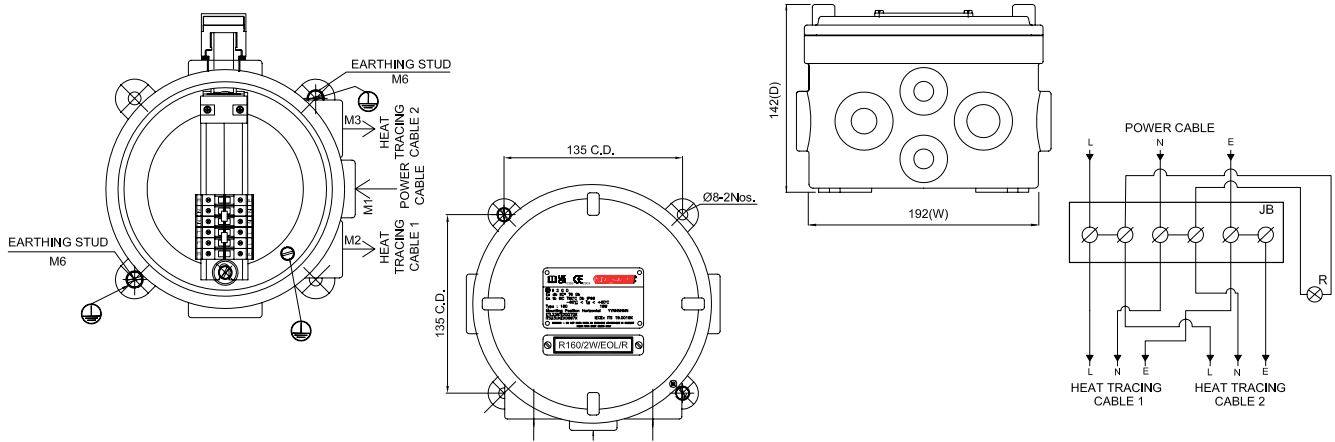
MORE CUSTOMISATION ON REQUEST:

Please ask for price and delivery for the options below:

- Paint shade other than RAL 7035 can be offered on request.
- Alternate terminal make or type.
- Enclosure stainless steel or cast iron.
- Installation accessories, cable gland for power cable, tracer gland, pipe mounting support bracket & pipe straps.

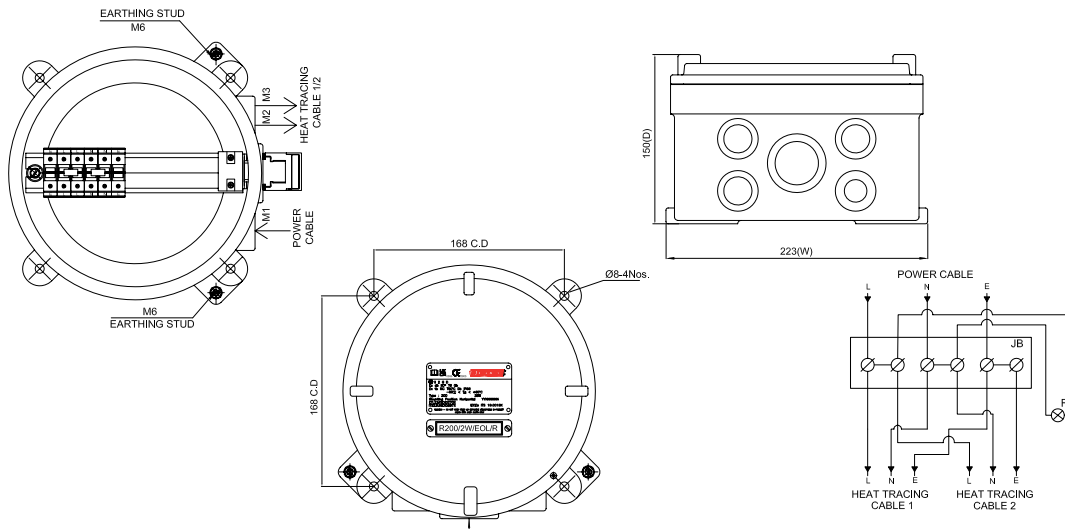
TWO WAY HEAT TRACING POWER JUNCTION BOX c/w LIGHT INDICATOR

PART NO. : R160/2W/EOL/R*



S/N	Description	Part number*	Power cable** size (mm)	Tightening torque (Nm)	Entry size for** Power cable M1	Entry size for** Heat tracing cable M2 / M3
1	'Two way heat	R160/2W/EOL/R/2.5/A	3C x 2.5	0.4	M20	M20
2	tracing power	R160/2W/EOL/R/2.5/B	3C x 2.5	0.4	M20	M25
3	junction box	R160/2W/EOL/R/4/A	3C x 2.5	0.5	M20	M20
4	with light	R160/2W/EOL/R/4/B	3C x 2.5	0.5	M20	M25
5	indication'	R160/2W/EOL/R/6/A	3C x 2.5	0.8	M20	M20
6		R160/2W/EOL/R/6/B	3C x 2.5	0.8	M20	M25

PART NO. : R200/2W/EOL/R*



S/N	Description	Part number*	Power cable** size (mm)	Tightening torque (Nm)	Entry size for** Power cable M1	Entry size for** Heat tracing cable M2 / M3
1	'Two way heat	R200/2W/EOL/R/10/A	3C x 10	1.2	M25	M20
2	tracing power	R200/2W/EOL/R/10/B	3C x 10	1.2	M25	M25
3	junction box	R200/2W/EOL/R/16/A	3C x 16	1.2	M25	M20
4	with light	R200/2W/EOL/R/16/B	3C x 16	1.2	M25	M25
	indication'					

** Equivalent NPT entries can be provided on request.

Note: 1) All dimensions are in mm with tolerance of ±5%.

2) External earthing stud is fitted with PVC sleeved copper lug.



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