End Box with Indicator Light

(R100/EOL/R)

Illuminated end-of-line Junction Box

R Series Solution

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

INTRODUCTION

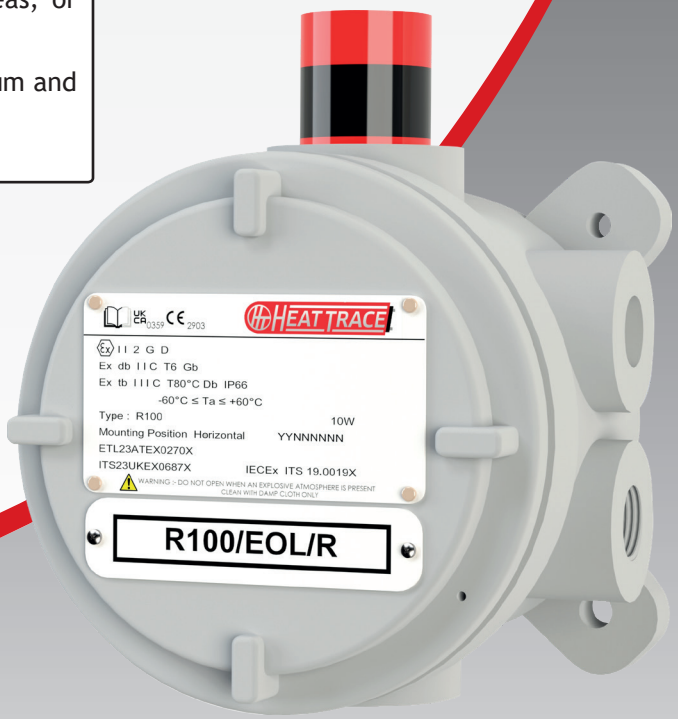
As part of our commitment to innovation in the industry, Heat Trace Ltd is offering an Exd solution.

This illuminated end-of-line junction box is used to terminate the remote end of the heating cable above the insulation. When the circuit is energised, the lamp will illuminate to show that power is being received.

As part of planned preventative maintenance, the circuit can be manually energised and a visual check will confirm that the heating cable is receiving power.

The lighted end box can be installed in safe areas, or Zone 1 or 2 hazardous areas.

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



UK CA 0359 CE 2903 Ex IEC IECEx

HEAT TRACE

The Heat Tracing Authority™

AND50526 (30062026) Issue 2 (HTIPL)

SPECIFICATION

ENCLOSURE:

Material:	Standard Copper Free Aluminium
Paint shade:	RAL 7035, light grey
Protection:	EX (db) - IP66
Rated voltage:	1.1kV AC / DC
Area suitability:	Zone 1 / Zone 2, IIA / IIB / IIC
Cable entries:	1 off (for heat tracing cable)
Earthing:	Internal and external earthing
Indication Lamp:	Red
Operating voltage:	230V AC
Number of terminals:	3 off (1 live, 1 Neutral & 1 Earth)
Size of terminals:	2.5mm²

APPROVAL DETAILS:

ATEX	-	ETL 23ATEX0270X
IECEx	-	IECEx ITS 19.0019X
UKCA	-	ITS 23UKEX0687X

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: Ⓔx II 2 G D Ex db IIC T6/T5 Gb
Dust: Ⓔx 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 LED indication Terminal & accessories (terminal, end plate, terminal marker whichever is applicable).
- 2 off stainless steel earthing studs.
- 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 sets 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.

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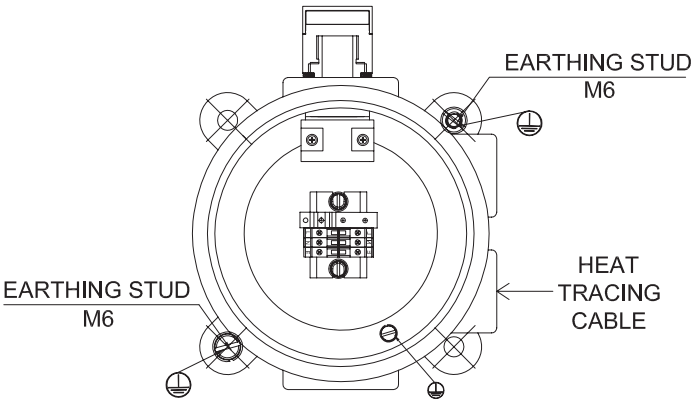
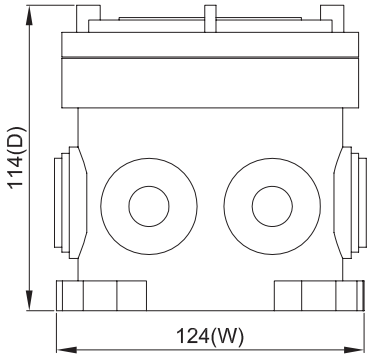
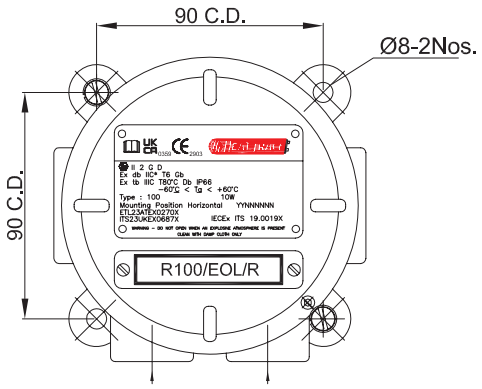
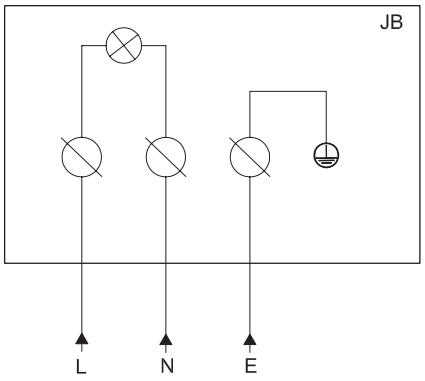
END BOX WITH INDICATOR LIGHT

PART NO. : R100/EOL/R









HEAT TRACING CABLE

Description	Part number	Entry size for Heat tracing cable
End box with indicator light	R100/EOL/R/A	M20

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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