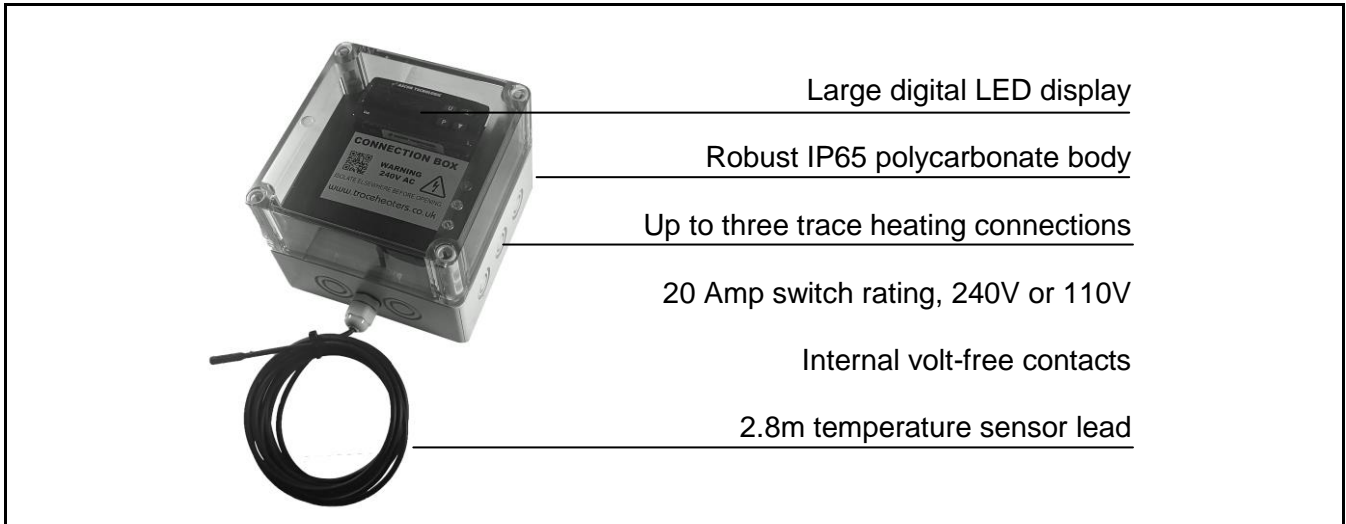


TraceStat

TraceStatL:	Standard volt-free signal output	Versatile, durable and precise, connects up to three trace heating cables. Pipe or surface mounting. Factory set (user configurable also) and calibration free with $\pm 1^{\circ}\text{C}$ digital precision.
TraceStatX:	Low temperature alarm output	
TraceStatX42:	Analogue and comms outputs	

Features



Application

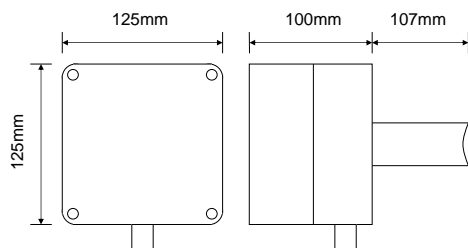
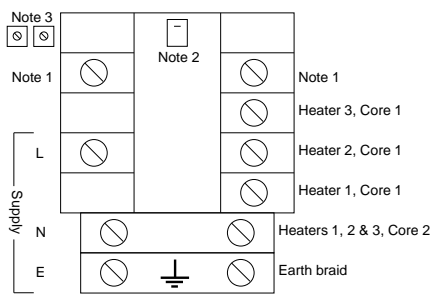
Area type	General purpose, external
Contamination compatibility	Mild inorganic corrosives

Interfaces

Ingress protection	IP67
Impact strength	IK08
Lid removal	Four captive screws
Cable entries	12mm one for pre-installed temperature sensor lead wire 16 / 20mm six dual option pre-formed knock-outs 25mm drilled to suit
Nominal supply voltage	Standard 240VAC Optional 110VAC
Maximum conductor size	Power 2.5mm Signal 1.5mm
Ambient temperature range	-15 to +45°C
Weight	0.8kg
Mounting	Surface Pipe (via MB125D dual leg bracket)
Display	15mm high LED alpha-numerics 'trace heating on' LED
User entry	Four pushbuttons

TraceStat

Specifications	
Form	Clear lid square front enclosure with hidden internals
Materials	Polycarbonate base and lid
Measurement precision	±1°C
Temperature sensing range	-50 to +150°C
Control set point	Standard +3°C Optional -58 to +199°C
Hysteresis band	2°C
Maximum power switching current	20 Amps
Heater switch type	SPST x 3



- Note 1: Status Relay terminals (trace heating on, trace heating off)
- Note 2: Status Indicator (maintenance)
- Note 3: Alarm terminals: loss of mains power on TraceStat2 and common loss of mains power and low temperature on TraceStatX

Temperature Sensor	
Type	2-wire jacketed NTC
Maximum withstand temperature	109°C (higher temperatures available)
Standard lead wire length	2.8m (longer lengths available up to 45m)
Status relay (note 2)	
Form	Volt-free
Switch type and rating	SPST, 20 Amps
State, all TraceStats	N.O., closed is 'trace heating energised'
Alarm relay (note 3)	
Form	Volt-free
Switch type and rating	SPST, 3 Amps
State, all TraceStats	N.O., closed is 'healthy'
Signal, TraceStatL type	Loss of power
Signal, TraceStatX & TraceStatX42 types	Low temperature and / or loss of power
TraceStatX42 outputs	
Analogue	0/4 to 20mA or, 0/2 to 10V, passive or active
Comms	Modbus RTU