

TEMPERATURE TRANSMITTERS 4-20mA / 0-10VDC

E..

■ A range of temperature transmitters fitted with PT100 sensing elements giving a 4-0mA or 0-10VDC output signal linear across the temperature range.

Consumption < 32mA & Load < 600Ω for 4-20mA devices
 Consumption < 25mA & Load < 10KΩ for 0-10VDC devices
 Accuracy < 1.5% of range
 Ambient -20/+70°C
 Temp Effect ± 2µA/°C
 *CK1000 fitted with 'K' type thermocouple
 Enclosure Flammability:
 ED, EF, EI, EM, ES, EX = UL94-V0
 EH, ER = UL94-HB

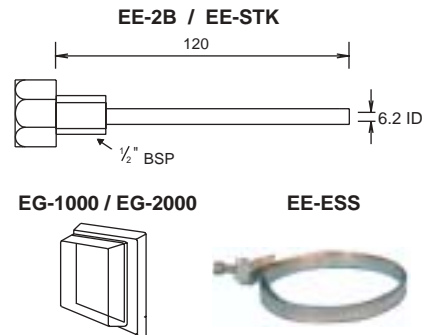
4-20mA	Type -	0-10VDC	Description	Range °C	Dimensions	Protection
ED-C040	ED-V040		Duct	-10 / +40	Approx 80 dia x 55 160mm probe	IP65
ED-C110	ED-V110		Duct	-10 / +110	Approx 80 dia x 55 160mm probe	IP65
EF-C400	EF-V400		Flue Gas	0 / 400	Probe length 230mm	IP65
EF-CK1000	-		Flue Gas	0 / 1000	Probe length 230mm *	IP65
EH-C040	EH-V040		Black Bulb	-10 / +40	85H x 85W x 30D + bulb 16mm	IP30
EI-C040	EI-V040		Immersion	-10 / +40	Approx 80 dia x 55	IP65
EI-C110	EI-V110		Immersion	-10 / +110	Approx 80 dia x 55	IP65
EJ-C160	EJ-V160		Immersion	-10 / +160	Approx 80 dia x 55	IP65
EI- EJ- Order Pocket Separately						
EM-C040	EM-V040		Duct Averaging	-10 / +40	Approx 80 dia x 55 2m capillary	IP65
ER-C040	ER-V040		Room	-10 / +40	85H x 85W x 30D	IP30
ES-C040	ES-V040		Strap-On	-10 / +40	Approx 80 dia x 55 strap up to 6" pipe	IP65
ES-C110	ES-V110		Strap-On	-10 / +110	Approx 80 dia x 55 strap up to 6" pipe	IP65
EX-C040	EX-V040		Outside	-10 / +40	Approx 80 dia x 55	IP65

4-20mA devices Supply = 24VDC loop ± 25% 0-10vdc devices Supply = 24VAC/DC ± 15%

ACCESSORIES:

- EE-2B** Brass pocket for EI.. up to 110°C
- EE-STK** Stainless steel pocket for EI.. EJ..
- EE-ESS** Larger dia. fixing strap for strap-on stats / sensors. Per metre

- EG-1000** Stat Guard Internal dims 133H X 155W X 70D
- EG-2000** Stat Guard Internal dims 102H X 123W X 60D



WIRING:



INSTALLATION:

- Terminals 0.5-2.5mm²
- Min sensor cable size 7/0.2mm
- Keep away from power cables/units which may cause interference.
- Max length 300m.
- Screened cable is recommended.
- The screen should be earthed at the controller end only

CAUTION: The transmitters are suitable for low voltage supply only. Device should be checked by a qualified technician before applying any voltage. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Ensure electrical entry hole is completely sealed for all IP65/weatherproof models. Observe precautions for handling electrostatic sensitive devices. Always ensure the device operates at the correct temperature. If failure of the device can cause damage a safety backup control should be fitted. All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

