

## TEMPERATURE SENSORS FOR B.M.S

■ A range of NTC Thermistor, Ni1000 & PT100/PT1000 sensors for use with most manufacturers BMS equipment.



**NTC / Ni**  
Sensors only suitable for up to 110°C  
Enclosure Flammability:  
ED, EF = UL94-V0  
EI, EM, ES, EX = UL94-V0  
ER, EV, EH = UL94-HB

**EF / EJ..** Only suitable for use with PT100 sensors.

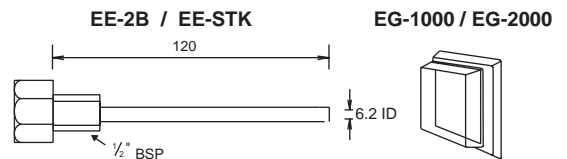
ALL SENSORS SUPPLIED WITHOUT LOGO.

Prefix	Type	Dimensions	Protection	Suffix	Compatibility	Check Temp/Resistance Chart
<b>EC-</b>	Cable	2m long cable. Sensor 7.1 dia x 40	IP65	<b>3K3A1</b>	Alerton	Ibex
<b>ED-</b>	Duct	80 dia x 55 160mm probe	IP65	<b>20K6A1</b>	Honeywell	Excel
<b>EF-</b>	Flue Gas	Probe length 230mm	IP65	<b>10K3A1</b>	Honeywell	Aquatrol 2000
<b>EH-</b>	Black Bulb	85H x 85W x 30D + bulb 16 mm	IP30		Trend	York MR700,701,702,704,708,710
<b>EI-</b>	Immersion <110°C	Approx 80 dia x 55	IP65		Alerton	Backtalk
<b>EJ-</b>	Immersion >110°C	Approx 80 dia x 55	IP65		Smart	
<b>EI-, EJ-</b>	<b>ORDER POCKET SEPARATELY</b>			<b>10K3A1/A</b>	Satchwell	DRT,DDT,DWT,DOT,DST,DDU 1803,DC1400
<b>EK-</b>	Fan Coil	1m Cable + Duct tube 80mm	IP65	<b>10K4A1</b>	Andover	
<b>EM-</b>	Duct Averaging	Approx 80 dia x 55 4 sensors at 0.5m intervals along 2m cable x 8 dia	IP65	<b>100K6A1</b>	York	MR703,705,709
<b>ER-</b>	Room	85H x 85W x 30D	IP30	<b>30K6A1</b>	Drayton	DC1100 compensator
<b>EV-</b>	Room + Adj knob	85H x 85W x 30D Pot 1-11kΩ	IP30	<b>LST1</b>	Landis & Staefa	T1
<b>ES-</b>	Strap-On	Approx 80 dia x 55 cable 2m includes strap for up to 6" pipe dia	IP65	<b>LS1000</b>	Siemens, Landis	Ni 1000 QAA23, QAD21, QAE21
<b>EX-</b>	Outside	Approx 80 dia x 55	IP65	<b>TAC1</b>	TAC	
<b>EGS-</b>	Thimble sensor	Dome dia 15 x 16.5 L Drill hole 12 dia.	200mm cable IP30	<b>PT100</b>	Serck etc	PT100
<b>EGB-</b>	Thimble sensor	Dome dia 15 x 16.5 L Drill hole 12 dia.	200mm cable IP30	<b>PT1000</b>	Cylon etc	PT1000
<b>EGW-</b>	Thimble sensor	Dome dia 15 x 16.5 L Drill hole 12 dia.	200mm cable IP30			

**TO ORDER - SELECT PREFIX + SUFFIX** ie Room Sensor for Trend System = ER-10K3A1, Andover Duct sensor = ED-10K4A1

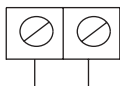
**ACCESSORIES:**

- EE-2B** Brass Pocket 1/2" BSP 120mm x 6.2mm id for EI-
- EE-STK** Stainless Steel Pocket 1/2" BSP 120mm x 6.2mm id for EI- & EJ
- EE-ESS** Fixing strap for ESS Strap-On Thermostats & Sensors
- EG-1000** Thermostat Guard Internal Dims 133H x 155W x 70D
- EG-2000** Thermostat Guard Internal Dims 102H x 123W x 60D

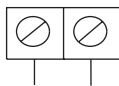


**WIRING:**

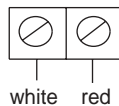
**NTC Thermistor**



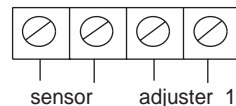
**Ni 1000**



**PT100 / PT1000**



**EV..**



**INSTALLATION:** Terminals 0.5-2.5mm<sup>2</sup> Max length 100m. Sensor cable size 7/0.2mm Screened cable is recommended. Keep away from power cables/units which may cause interference. The screen should be earthed at the controller end only.

**CAUTION:** Observe design limits of temperatures. Device should be checked by a qualified technician before operation. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Ensure electrical entry hole is completely sealed for all IP65/weatherproof models. 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.