

# BMS TEMPERATURE SENSORS

## 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

E, EM, ES, EX = UL94-V0

ER, EV, EH = UL94-HB

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

ALL SENSORS SUPPLIED WITHOUT LOGO

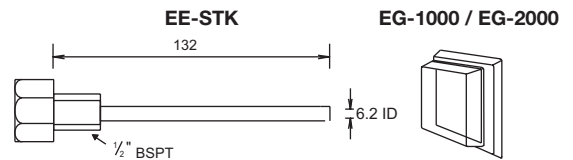


Prefix	Type	Dimensions	Protection	Suffix	Compatibility	Check Temp/Resistance Chart
<b>EC-</b>	Cable	2m long cable. Sensor 7.1 dia x 40	IP65	<b>3K3A1</b>	Alerton	Ibex
<b>ED-</b>	Duct	80 dia x 55 160mm probe	IP65	<b>20K6A1</b>	Honeywell	Excel
<b>EF-</b>	Flue Gas	Probe length 230mm	IP65	<b>10K3A1</b>	Honeywell	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- 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	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

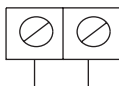
### ACCESSORIES:

- EE-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

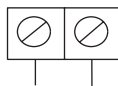


### WIRING:

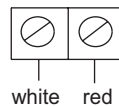
#### NTC Thermistor



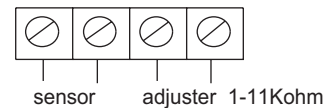
#### Ni 1000



#### PT100 / PT1000



#### EV..



### INSTALLATION:

Terminals 0.5 -2.5mm<sup>2</sup>  
Max length 100mm.

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.