Thermostats — continued

Cylinder/Pipe

- Rugged moulded plastic unit with curved metal base plate for mounting directly onto cylinders or pipes
- Bi-Metal sensing strip mounted in the centre of the base plate for maximum sensitivity
- Fitted with graduated setting knob and screw compression cable gland.

Supplied with two security straps (220mm and 2m long), a sachet of thermally conductive paste and an instruction leaflet which details installation and typical applications.

H = 109, W = 50, D = 54

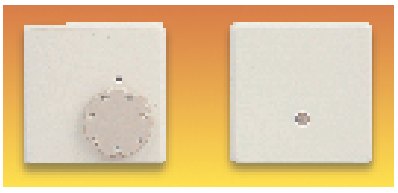
Operating voltage	240V, 50Hz	Switching differential	7°C (approx)
Current rating	15A resistive (3.2kW max. load)	Housing	Grey plastic to **IP20, DIN40050**
Contact	1 SPCO contact		
Temperature range	20°C to 90°C		

SEN20X

Order Code	Price Each 1+	10+	50+	100+
.179-872				

Dial Setting and Tamperproof

EBERLE



179-868/179-870
H = 71, W = 71, D = 36

179-869/179-873
H = 71, W = 71, D = 30

A general purpose range of bimetal thermostats suitable for wall or panel mounting.

179-868 and **179-869** have a break on temperature rise single pole contact. They are fitted with accelerator heaters to minimise switching differential and prevent overshoot.

179-870 has a single pole change over contact which can be used to control heating or cooling.

179-873 is an empty housing with terminal block for mounting of sensors.

Supplied with comprehensive installation and instruction leaflet.

Operating voltage	240V, 50Hz
Current rating	
179-868 and 179-869	16A resistive, 4A inductive
179-870	10A resistive, 4A inductive heating 5A resistive, 2A inductive cooling
Temperature range	179-868/9 = 0° to +30°C, 179-870 = +5°C to +30°C
Housing	Cream coloured thermoplastic to **IP30**, **DIN 40050**
Interface suppression	Complies with **VDE0875**

Mftrs. List No. 3521 = 179-868, 3545 = 179-869, 6721 = 179-870, 869 = 179-873

SEN19X

	Order Code	Price Each 1+	10+	50+
Dial adjust with N.O. contact	**.179-868**			
Tamperproof adjust with N.O. contact	**.179-869**			
Dial adjust with C.O. contact	**179-870**			
Housing only	**179-873**			

Temperature Gauges

VDO•IMT

- Low cost series are 63mm diameter with aluminium case
- Heavy duty industrial/process series are 100mm diameter with stainless steel case
- Both ranges utilise 'thermowells' which are permanently inserted into the media being measured

T186 Series – Low cost 63mm diameter, aluminium case, 40mm stem length (including thermowell), ½" BSP connection.

Accuracy class	2 to DIN 16203
Case	Aluminium
Window	Acrylic
Pointer and dial	Black on white face
Measuring element	Bimetal coil
Connection	Back central, (Supplied with G ½ (½" BSP) detachable thermowell made from copper alloy, 40mm long 11mm diameter with locking screw)

T208 Series – Heavy duty 100mm diameter, stainless steel case, 100mm stem length (requires 679-318 thermowell with ½" BSP connection).

Accuracy class	1 to DIN 16203
Case	Stainless steel 1.4301 (s.s.304)
Window	Flat instrument glass
Pointer and dial	Black on white face
Measuring element	Bimetal coil
Connection	Back central

Thermowell – Suitable for T208 Series gauges (supplied separately).

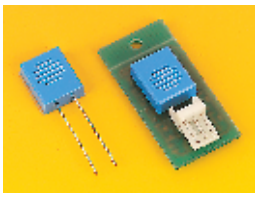
G½ (½" BSP) made from stainless steel 1.4571 (s.s.316), 100mm long 10mm diameter with locking screw.

SEN228X

Temperature Range	Mftrs. List No.	Order Code	Price Each 1+	5+	10+	25+
Low Cost, 63mm dia. – T186 Series						
-20°C to +60°C	T186-702001	**679-252**				
0°C to +60°C	T186-706901	**679-264**				
0°C to +120°C	T186-709001	**679-276**				
Heavy Duty, 100mm dia. – T208 Series						
-20°C to +60°C	T208-402003	**679-288**				
0°C to +60°C	T208-406903	**679-290**				
0°C to +120°C	T208-409003	**679-306**				
Thermowell for T208						
	T998-404003	**679-318**				

Humidity Sensors

Resistive Sensor and Module, 20-100% RH Range



- Sensor measures upto 100% relative humidity
- Can be used in conditions liable to dew condensation
- Module is temperature compensated
- Module is easy to install and connect

Sensor: H = 15, W = 12, D = 4.5, Leads L = 24, Lead pitch = 5
Module: L = 35, W = 20,H = 7.5 (above PCB), Mounting hole dia = 3.2

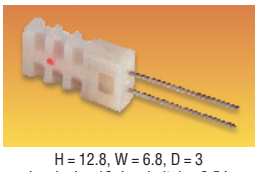
The module incorporates the 732-837 sensor to give a ready-to-use unit.
Resistance of the sensor decreases with increasing RH.
Output voltage of the module (1.5V to 3.1Vdc) corresponds linearly to RH (25 to 100%).

Sensor/Module		**Module**	
Operating humidity range	20% to 100% RH	Working voltage	5.0 ±0.2Vdc
Operating temperature range	0°C to +50°C	Storage temperature	-40°C to +60°C
Measurement accuracy	±5% RH	Storage humidity	0 to 100% RH
Sensor		Measurement range	25 to 100% RH
Drive voltage, rated power	1 Vac, 0.3mW	Current	2mA max.
Measuring frequency	50Hz to 1kHz	Output voltage	1.5 to 3.1 V
Impedance (25°C, 50% RH)	60KΩ ±30KΩ		

SEN325

	Order Code	Price Each 1+	10+	25+	100+	250+
Sensor	**732-837**					
Module	**732-849**					

Resistive Sensor



H = 12.8, W = 6.8, D = 3
Leads L = 12, Lead pitch = 2.54

- Rapid response
- Good reproducibility

Miniature sensor using a humidity sensitive material screened on to a ceramic substrate. The resistance of the device varies exponentially with relative humidity. It has rapid response and good reproducibility. ABS filter case.

Operating humidity	90% RH (max.)
Rated voltage, power (ac)	1V rms, 0.2mW
Driving frequency (recommended)	500Hz to 2kHz
Storage condition (recommended)	10° to 40°, 0 – 60% RH
Operating temperature range	0° to 60°C
Standard humidity resistance	31kΩ (25°C, 60% RH)
Humidity detecting accuracy	± 5% (25°C, 60% RH)
Temperature dependence	0.5% RH/°C

SEN132X

Order Code	Price Each 1+	10+	25+	100+	250+
540-985					

1336 Electronic, Electrical and Mechanical Prices are in Singapore Dollars and exclusive of GST