



- **Reliable**
- **Durable**
- **Accurate**
- **Robust**
- **Cost Effective**

Automatic and manual reset
One-shot (single operation device)
Environmentally protected options
Broad range of constructions
Materials to suit various applications

The correct choice of operating temperatures for a thermostat depends on many parameters. The following factors can have a significant effect on the final operating point of the application:

1. Rate of temperature rise;
2. Location of the thermostat;
3. Electrical load;
4. Mass of the thermal system;
5. Heat transfer medium (air, metal, surface, etc).

The data contained in this literature is for reference information only. The user must determine the suitability of the product for their application and assumes all risk and liability associated therewith.

Dielectric strength: 2000V AC terminal
to cap
Contact resistance: $<50\text{m}\Omega$, $<10\text{m}\Omega$
also available
Standard weight: 6 grammes
Nominal voltage: up to 24V DC and up to
250V AC
Nominal current: up to 15 Ampere

Honeywell Elmwood's 2450, 2455R, 2455RP, 2455RC and 2455RBV series of automatic reset thermostats are manufactured to either open or close at set temperatures.

MULTIPURPOSE THERMOSTATS					
Thermostat Series	Operating Temperature °C	Tolerance		Standard Differential Mean K	
		Open	Close		
		± K	± K		
2450 2455R 2455RP 2455RC 2455RBV	0-25 (-10 min reset temp	3	6	22 - 35	
		3	5	16 - 22	
		3	4	14 - 16	
		3	4	11 - 13	
		3	4	8 - 10	
	26 - 95 (-10 min reset temp)	3	6	22 - 45	
		3	5	17 - 22	
		3	5	14 - 16	
		3	4	11 - 14	
		3	4	8 - 10	
2450 2455R 2455RP 2455RC	96 - 120	4	7	22 - 45	
		4	6	16 - 22	
		4	5	14 - 16	
		4	4	11 - 14	
	121 - 150	3	4	8 - 11	
		4	8	22 - 45	
		4	6	16 - 22	
		4	5	14 - 16	
	151 - 170	8	11	39 - 45	
		6	11	34 - 39	
		6	8	28 - 33	
		6	7	22 - 27	
	2455RP 2455RC	171 - 186	14	14	51 - 56
			11	11	39 - 50
8			11	28 - 39	
2455RC ONLY	187 - 235	14	25	51 - 56	
		14	14	51 - 56	
		11	11	39 - 50	
		8	11	28 - 39	
	236 - 260	14	25	34 - 56	
		14	14	31 - 56	
		11	11	28 - 50	

Honeywell Elmwood thermostats are built to meet your exact specifications. Our multi-lingual Sales and Customer Service team will be only too pleased to assist.

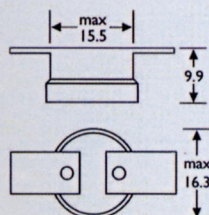
MANUAL RESET THERMOSTATS			
Thermostat Series	Operating Temperature °C	Tolerance	
		Open	Only ± K
2455RM	50-90	5	
		4	
	91-120	6	
		5	
	121-150	4	
		7	
		6	
		5	

ONE-SHOT THERMOSTATS		
Automatic reset below -35°C		
Thermostat Series	Operating Temperature °C	Tolerance
		Open Only ± %
2450-S35	52 - 93	5
2455R-S35	94 - 121	6
2455RP-S35	122 - 149	7
2455RC-S35	150 - 170	8
2455RP-S35	171 - 186	10
2455RC-S35		
2455RC-S35	187 - 204	10
	205 - 232	11
	233 - 260	14

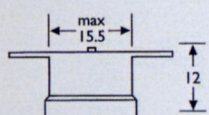
[illegible]

Standard Terminal and Bracket Guide (All dimensions in mm's for reference only)

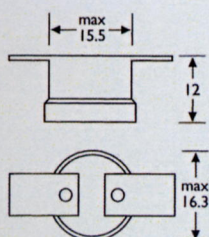
Standard Sizes



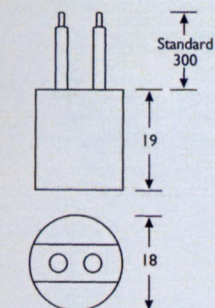
2450 R/RC



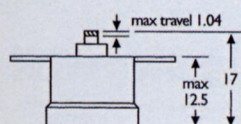
2455 R/RP



2455RC

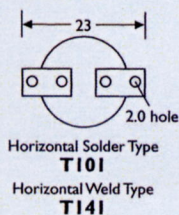


2455RBV

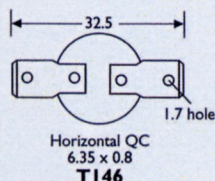


2455RM

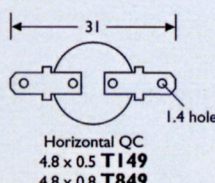
Standard Terminals



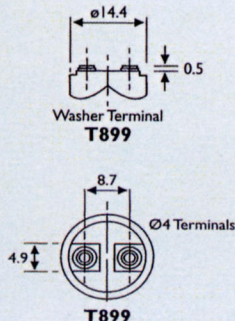
Horizontal Solder Type
T101
Horizontal Weld Type
T141



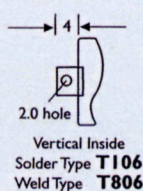
Horizontal QC
6.35 x 0.8
T146



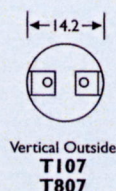
Horizontal QC
4.8 x 0.5 **T149**
4.8 x 0.8 **T849**



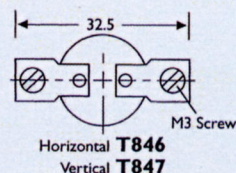
T899



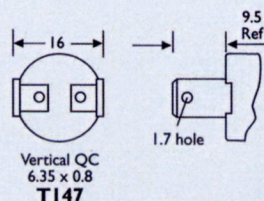
Vertical Inside
Solder Type **T106**
Weld Type **T806**



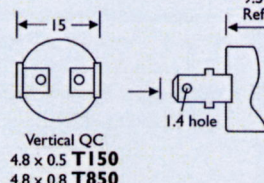
Vertical Outside
T107
T807



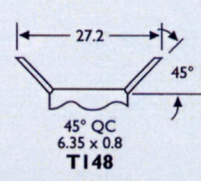
Horizontal **T846**
Vertical **T847**



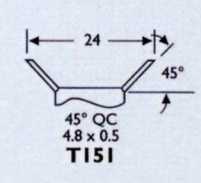
Vertical QC
6.35 x 0.8
T147



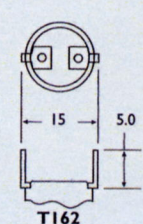
Vertical QC
4.8 x 0.5 **T150**
4.8 x 0.8 **T850**



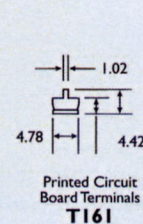
45° QC
6.35 x 0.8
T148



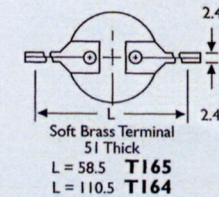
45° QC
4.8 x 0.5
T151



T162

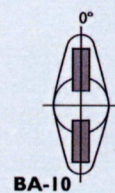


Printed Circuit
Board Terminals
T161

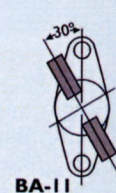


Soft Brass Terminal
5I Thick
L = 58.5 **T165**
L = 110.5 **T164**

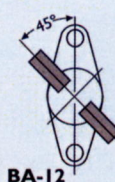
Bracket/Terminal Orientation Standard Tolerance $\pm 6^\circ$



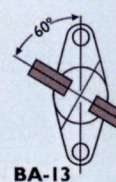
BA-10



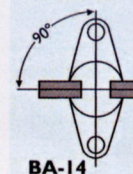
BA-11



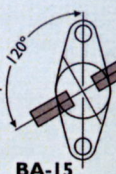
BA-12



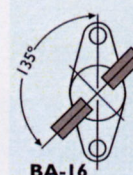
BA-13



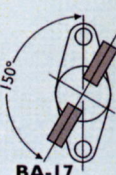
BA-14



BA-15

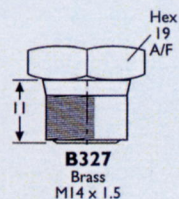


BA-16

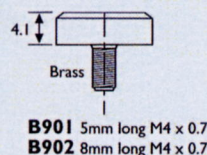


BA-17

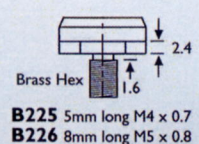
Screw and Stud Fixings



B327
Brass
M14 x 1.5

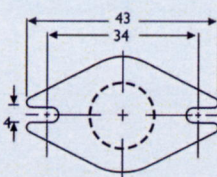


B901 5mm long M4 x 0.7
B902 8mm long M4 x 0.7

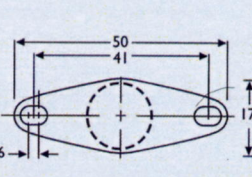


B225 5mm long M4 x 0.7
B226 8mm long M5 x 0.8

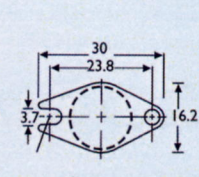
Mounting Brackets



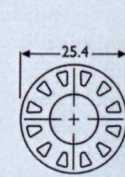
B207



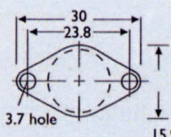
B206



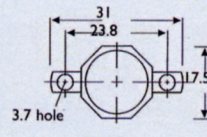
Stationary
Surface Bracket
B209



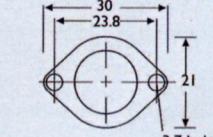
Heat Collector
B237



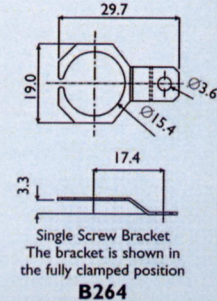
Stationary
Surface Bracket
B201 2.8 hole
B201A 3.7 hole



Moveable
Surface Bracket
B203S



Air Stream Bracket
B205A



Single Screw Bracket
The bracket is shown in
the fully clamped position
B264