



Snap Action Disc Bimetal Thermostats

Application for 2BD series.

Air conditioning, refrigerators, dishwasher, washing machines, microwave ovens, electric ovens, coffee machines, boilers, electric water heaters, vacuum cleaner, egg boiler, dryer and generally all applications where it is necessary to open or close an electric circuit reaching a temperature setting.



2BD series

Technical description

Contact Configuration:	SPST Normally Open (NO) or Normally Closed (NC)
Contact Ratings:	standard 10A @ 250VAC heavy duty 16A @ 250VAC gold plated contact resistance >15 mOhm
Reset:	Manual or Automatic
Differential:	4°C ÷ 50°C
Temperature Range:	0 °C ÷ +185°C
Tolerances:	from ±2°C to ±10°C according to set point temperature
Temperature Gradient:	from 0,5°C/min to 1°C/min. according to the model
ENEC approved for	100.000 cycles (10A @ 250VAC) 30.000 cycles (16A @ 250VAC)
Approvals:	ENEC, UL, CSA
Body Material:	Plastic resin or Ceramic
Max. Ambient Temperature	T200 (plastic) or T250 (ceramic)

Body Types & Mounting Configurations

Special Pipe Mounting configurations are available. This picture shows an example with special clip for pipe mounting. For high volume we could produce mounting clips or harness according to customer's design.



Special IP67 configurations are available, with a wide choice of designs. These pictures show a IP67 design with different clips for pipe mounting. For high volume we could produce mounting clips or harness according to customer's design.



Special Manual Reset versions are available with different type of mounting studs and brackets. For high volume we could manufacture mounting studs or flanges according to customer's design.



Special size and shapes terminals configurations are available. These pictures show only some variations. For high volume we could manufacture special terminals according to customer's design.



Special ceramic bodies versions are available. These pictures show a model with horizontal spade terminals plus the mounting flange and a model with 45° bent terminals and M4 connection. We could supply ceramic bodies in any configuration required.



Picture shows a tri-bimetal assembly. For consistent volumes we can manufacture special multi-bimetal assemblies to customer s design.



