

MINITHERM 6 ENCAPSULATED TEMPERATURE SWITCH



- Low cost chassis or PCB mounted controller
- 110 or 230 Vac operation
- Single NTC sensor input
- Integral temperature adjustment potentiometer
- Suitable for heating or cooling applications
- Output will drive AC or DC coil power relay
- 2.8mm push-on spade terminal connections
- Also available for use with external potentiometer

This range of temperature switches provide a low-cost solution to a wide range of OEM temperature control applications. The encapsulated module is powered from a 110 or 230Vac mains supply and the output will directly drive a heavy duty AC or DC coil power relay.

An integral potentiometer is used to set the control temperature and the built-in hysteresis control action ensures clean relay switching, although versions are also available that can be adjusted by an external potentiometer. The normally open (NO) version will switch the output on when the measured temperature is below the set point and the normally closed (NC) will switch the output when the measured temperature is above the set point.

A chassis mounting bracket can be supplied and versions are also available for PCB mounting.

With the connection of an NTC sensor and an output relay, the Minitherm 6 becomes a very cost effective temperature control or alarm system.

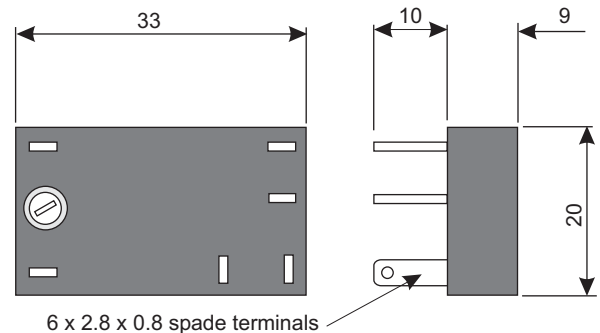
SPECIFICATION

Supply voltage :	110 or 230Vac
Power drain :	1VA max.
Potentiometer :	Integral (external potentiometer versions on request)
Connections :	6 x 2.8 x 0.8mm push on blades
Scale range :	75 - 98°C (Other ranges on request)
Input sensor :	NTC thermistor 10K at 25°C
Output (110V) :	Full wave rectified DC 108V
Output (230V) :	Full wave rectified DC 207V
Output rating :	20VA max including inrush
Ambient range :	-30 to 65°C non-condensing
Environmental :	IP55
Mounting :	Chassis (PCB version on request)
Weight:	10gms

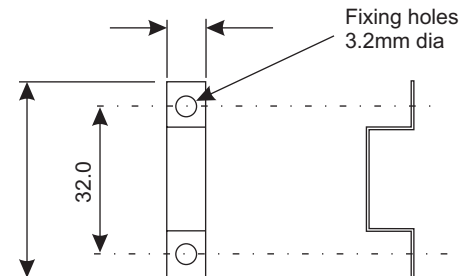
Part Numbering Options : MTHM6 - A B C - D - E

A	Sensor	NTC 10K@25°C	1
B	Mounting	Chassis PCB	1 2
C	Potent'r	Internal External	1 2
D	Action	Normally open Normally closed	NO NC
E	Supply voltage	110Vac 230Vac	110Vac 230Vac

DIMENSIONS

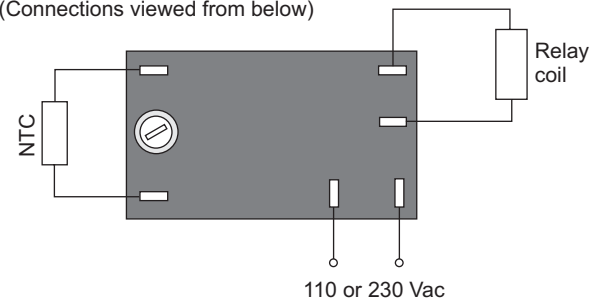


Mounting bracket



CONNECTION DIAGRAM

(Connections viewed from below)



STANDARD ITEMS

Input	Mtg	Potmtr	Action	Voltage	Part Number
NTC	Chassis	Int	NO	230V	MTHM6-111-NO-230Vac
NTC	Chassis	Int	NC	230V	MTHM6-111-NC-230Vac
NTC Probes					
NTC10K	Plastic	1.5m cable	-50 to +50°C		NTC015HP00
NTC10K	St/steel	1.5m cable	-50 to +100°C		NTC015WP00
Relays					
230Vac	8A	SPCO	Chassis mounting		K43QA240A
110Vac	8A	SPCO	Chassis mounting		K43QA120A
Mounting bracket					
Chassis mounting bracket					MTHM6-MTG