



specialist power
transmission and
heat transfer
engineers

PH: 0266 818800 | FAX: 0266 818888

EMAIL: sales@oemdynamics.com.au

DYNACOOL Thermo switch for Cooler fan control

Reduced cooler running cost – cooler only runs when required
Extended oil cooler life due to operating only when required
Improved oil viscosity control

Temperature Control

12v

24v

240v

415v with junction box

Low voltage Relay and Harness kit

3 temperature setting 45°C, 55°C and 65°C
to suit DYNACOOL coolers



cool running

BMT SWITCH ONLY

The BMT thermo switch is designed for controlling electric motors. The switch is suitable for use in either 240 Vac or 12/24 Vdc. The switch can be used in 415Vac 3 phase by connecting to the relay side of a three phase contactor.

The thermo switch uses a reliable “snap” action bimetallic disk type switch, which is sealed for life inside a brass bulb well. The switch contacts are Normally Open and silver plated for long life when operated in the range specified. The cable connector is to the PG09 Din 43650 std. The switch bulb has a threaded ½” BSPP male connection and a Dowty seal

Switches are fixed temperature (not adjustable).



Order Codes 45°C - **17/BMT45WNO** 55°C - **17/BMT55WNO** 65°C - **17/BMT65WNO**

Supersedes our thermo switches with part numbers 17/12463WNO, 17/12553WNO, 17/12653WNO These switches will no longer be available

TECHNICAL DETAILS

❖ **Temperature settings**

- 45° C
- 55° C
- 65° C

❖ **Materials**

- Body – Brass
- Contacts – Silver
- Thread - ½” BSPP

❖ **Specifications**

- Switch rating -10A/250 Vac
 - 3A/12 or 24 Vdc (use relay for higher current draw)
- Max Pressure – 20 bar
- Max Differential - 16°C
- Max Temperature - 120°C
- Protection – IP65
- Plug Connector - PG09, DIN 42650
- Thread - ½” BSPP

THERMOSTATIC CONTROL CIRCUIT

The thermostatic control circuit is designed for use with 3 phase electric motors primarily switching the fan motor on heat exchangers, other uses include switching control of small pump units. The control circuit can be switched by any 240V thermo switch or other similar switching device.

FEATURES

The control switch on the junction box is a three position switch with ON OFF and AUTO positions. When switched to the AUTO position the electric motor is controlled by the switching signal from the external thermo switch (Supplied with kit units). The control circuit features high quality components, robust switch and contactor relay, and wafer type terminals mounted on DIN rail. The junction box has holes predrilled for cable glands and is supplied with 0.5 metres of pre wired cable for the motor.



Order Codes 45°C - **17/JB/BMT/45** 55°C - **17/JB/BMT/55** 65°C - **17/JB/BMT/65**

Supersedes our thermo switches with part numbers 17/JB/123W/46, 17/JB/123W/55, 17/JB/123W/65 These switches will no longer be available

TECHNICAL DETAILS

❖ **Temperature settings**

- 45° C
- 55° C
- 65° C

❖ **Materials**

- Body – Brass
- Contacts – Silver
- Thread - ½” BSPP

❖ **Junction Box Specifications**

- Electric Motor Supply Voltage - 400/415 VAC 3 Phase 50/60Hz AC
- Max Current – 6 Amps
- Contactor control type 3 phase
- Relay control coil – 240 VAC
 – Current draw 125mA
- Switched by normally open BMT switch above.
- Protection – IP55
- Material - ABS

For more information call our sales customer support centre on 0266818800
or visit our [website](#) or [Request a quote](#)