



Reliable Protection Against Overtemperature – EMT6 Thermistor Overload Relays



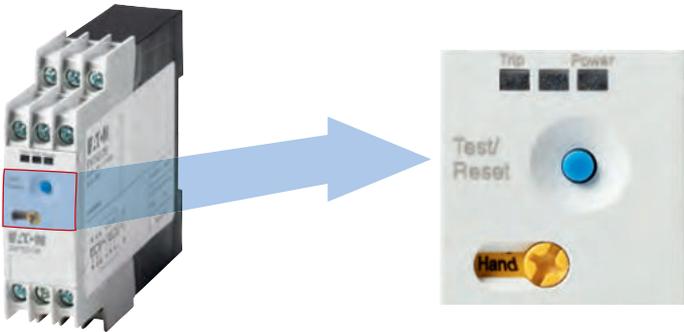
EMT6 thermistor overload relays protect machines against overtemperature caused by heavy starting duties, braking, undervoltage, overvoltage, and high switching frequencies. When using these relays, a thermistor is used to monitor the temperature directly on the motor winding and, in the event of overtemperature, the corresponding signal is relayed to the EMT6 unit. Once the unit receives the signal, it trips, and the fault signal can be reliably detected in the corresponding control panel.

EMT6 units are also used to monitor the temperature of bearings, gears, oils, and coolants. Moreover, there are a variety of device models available with additional functionalities, including protection against the effects of voltage loss, short-circuit monitoring, and the ability to switch between automatic and manual switching-off.

All devices are devices for world markets to IEC/EN 60947 with UL/CSA approval.

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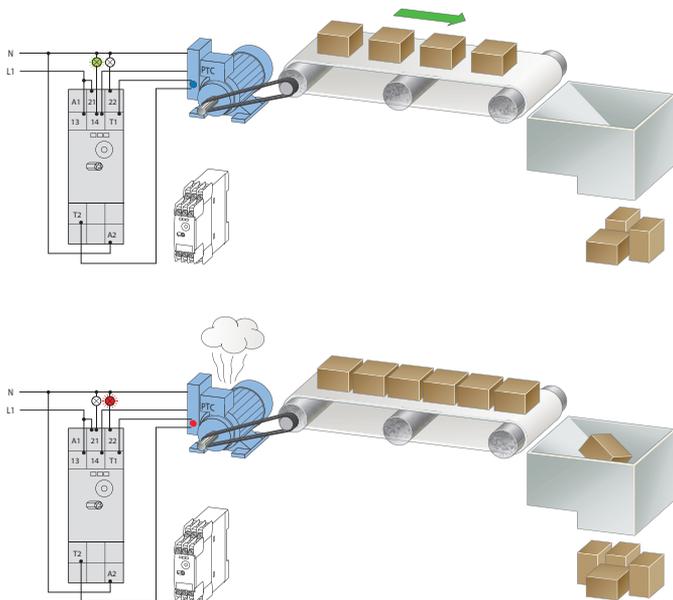
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Easily perform function tests

The relay's functionality needs to be tested on a regular basis during commissioning and maintenance. To make this as easy as possible, all EMT6 models feature an integrated Test button that can be used to simulate an error condition.

Application example: Tripping in the event of overtemperature caused by overload



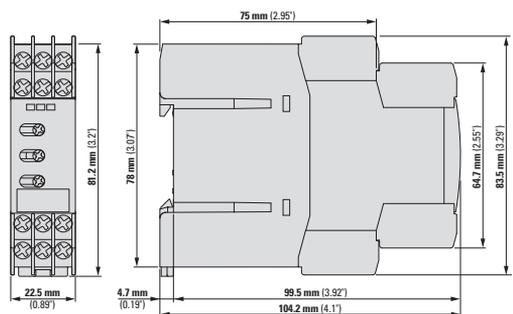
Two-sensor-circuit models for expanded functionality

A series of two-sensor-circuit models have been added to the EMT6 product line. These models make it possible to monitor two different temperatures – either on a single motor or on two separate motors – in a cost-effective manner without taking up excessive space. This not only means that multiple motors can be monitored simultaneously with one single device, but also that these devices can be used to implement a cost-effective early warning system by monitoring two sensor circuits with different triggering temperatures.

Product range:

Functionality	Part no.	Article no.
Thermistor protection, auto reset, 24–240 V AC/DC	EMT6	66166
Same as EMT6, plus manual/auto reset, remote reset, fault memory	EMT6-DB	66167
Same as EMT6-KDB, plus undervoltage protection	EMT6-DBK	66168
Thermistor protection, auto reset, 230 V AC	EMT6(230V)	66400
Same as EMT6 (230 V), plus manual/auto reset, remote reset, fault memory	EMT6-DB(230V)	66401
Same as EMT6, plus short-circuit monitoring	EMT6-K	269470
Same as EMT6-DB, plus short-circuit monitoring	EMT6-KDB	269471
Thermisto protection, 2 sensor circuits, auto reset, 24–240 V AC/DC	EMT62	171889
Same as EMT62, plus manual/auto reset, remote reset, fault memory	EMT62-DB	171890

Dimensions:



Eaton Industries GmbH
Hein-Moeller-Str. 7-11
D-53115 Bonn/Germany

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