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MIDLANDJAY
P.O.Box 395, Huddersfield, HD1 9YR, England
Telephone: +44 (0)1484 461133 Fax: +44 (0)1484 461123
Website: www.midlandjay.co.uk Email: sales@midlandjay.co.uk

Thermistor Control Relay Type - EBP1201

The EBP1201 thermistor control relay may be used in conjunction with any standard motor protection thermistor or multiple of 3 thermistors to provide an accurate method of signalling a motor over temperature condition. This provides a more effective means of motor protection than a thermal overload as it is based on the actual temperature of the motor windings.

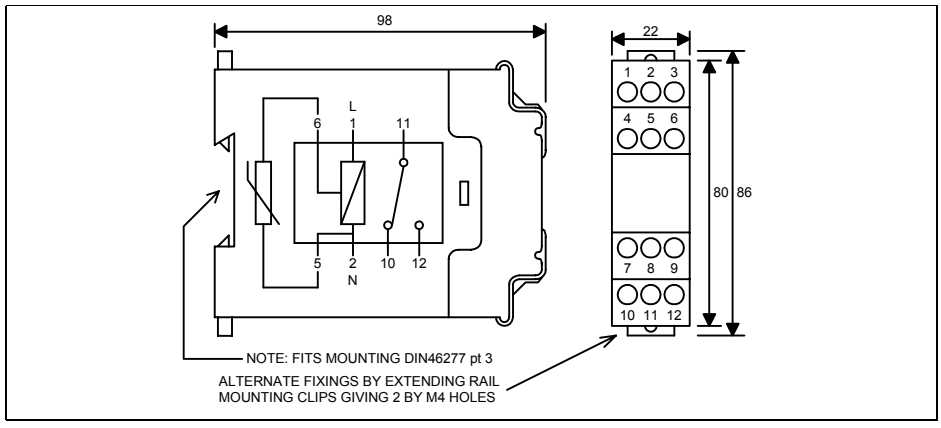
The output from the unit is in the form of volt-free relay contacts. Providing the motor temperature is satisfactory the output relay will energise. In the event of a motor over-temperature the output relay will release. The unit will reset automatically (output relay energised) when the temperature returns to normal.

The relay will also release if either an open or short circuit fault is detected in the wiring to the motor thermistors.

Note:
The thermistor input terminal 5 is common with the neutral supply terminal 2. It is therefore important that thermistor terminals 5 & 6 are not connected to earth or any other apparatus.

Power to the unit should be supplied via a 1 amp H.R.C. fuse.

Supply Voltage:	110Vac
Frequency:	50/60Hz
Trip level:	3100 Ω
Reset level:	1650 Ω
S/C trip level:	30 Ω
Relay contacts:	Single-pole changeover
Contact rating:	250Vac 3A ($\cos\phi = 1$) 250Vac 1A ($\cos\phi = 0.4$)
Isolation Voltage:	2kV ac for 1 minute
Power Consumption:	1 watt (4VA)
Temperature range:	-10°C to +60°C
Construction:	Din rail mounted housing to IP20
Weight:	105g



DATA SHEET