

MIDLANDJAY

THE POWER TO PROTECT

tectrite

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

Supply Monitoring Relay Type - BMP2402

The BMP2402 supply monitoring relay provides accurate detection of both under and over-voltage supply faults on a 3 phase power system.

The relay detects voltage errors in any one or combination of phases and resets only when all three phases have returned to normal.

The unit incorporates a true 'trip delay timer' adjustable in the range 0.5 to 30 seconds to ensure that nuisance tripping can be prevented.

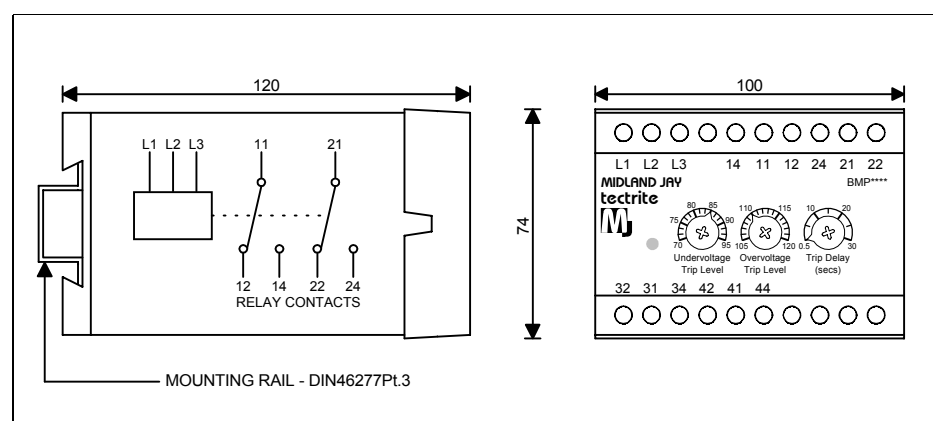
Calibrated controls are provided to allow the under and over-voltage trip levels and the 'trip delay time' to be set by the end user.

A dual colour LED indicates the supply status: green - healthy, red - fault.

The output relay will energise when the supply is healthy. If an under or over-voltage supply fault is detected continuously for a period set by the 'trip delay time' the relay will release. When the supply fault has cleared the unit will reset automatically.

Supply to the unit should be via either 1 amp H.R.C. fuses or a 1 amp M.C.B.

Supply voltage:	240Vac 3 phase (nominal)
Frequency:	50Hz/60Hz
Trip levels:	Under Voltage: 70 - 95 % (of nominal) Over Voltage: 105 - 120 % (of nominal)
Reset levels:	Trip level \pm 4%
Factory settings:	Under Voltage: 85 % Over Voltage: 110 %
Phase rotation:	Not sensitive
Repeat accuracy:	Better than 1 %
Trip delay time:	0.5 - 30 seconds (true delay)
Relay contacts:	Double-pole changeover
Contact rating:	250Vac 3A ($\cos\phi = 1$) 250Vac 1A ($\cos\phi = 0.4$)
Isolation voltage:	2kV ac for 1 minute
Power consumption:	Less than 7VA
Temperature range:	-15°C to +50°C
Construction:	Din rail mounted housing to IP20
Weight:	0.5Kg



DATA SHEET

BMP2402/09/03