



MIDLANDJAY

THE POWER TO PROTECT

tectrite

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Supply Monitoring Relay Type - BQP1401

The BQP1401 supply monitoring relay is designed to monitor a single phase supply for an undervoltage condition.

The undervoltage trip level is user adjustable in the range 70% to 100% of the nominal supply voltage.

The pick up level is user adjustable in the range 2-15% above the trip level.

Red and green LED's indicate the output status of the unit. When the supply voltage is above the set trip level the green 'Supply Healthy' LED will illuminate and the output relay will energise. If the supply voltage falls below the set trip level the red 'Undervoltage' LED will illuminate and the output relay will release. The unit will reset automatically when a healthy supply is restored.

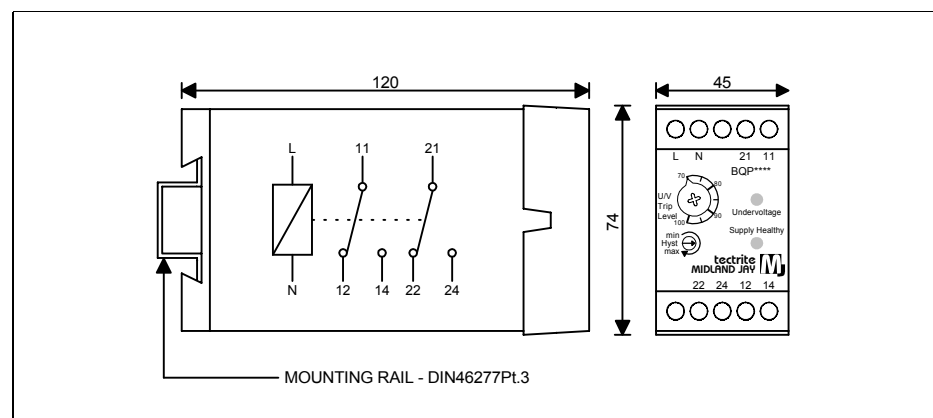
Supply to the unit should be via either 1 amp H.R.C. fuses or a 1 amp M.C.B.

Factory settings:

Trip level – 85%

Pick up level – 90%

Supply voltage:	110Vac single phase (nominal)
Frequency:	50/60Hz
Trip level:	Adjustable 70-100% of nominal supply voltage
Pick up level:	Adjustable 2-15% above the trip setting
Repeat accuracy:	Better than 1%
Trip delay time:	0.5 seconds
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 5VA
Temperature range:	-10°C to +60°C
Construction:	Din rail mounted housing to IP20
Weight:	0.35 kg



DATA SHEET

BQP1401/01/04