

Terminal Protection to IP20

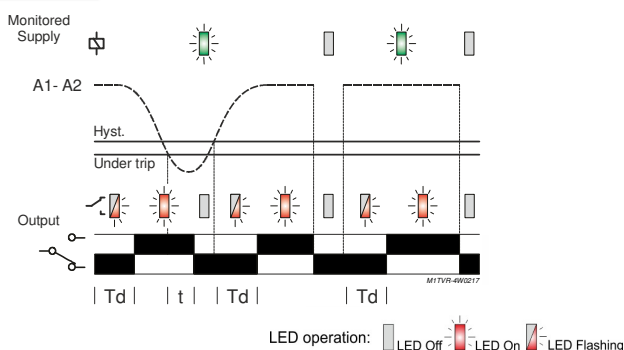
Dims: to DIN 43880
W. 17.5mm



- Commissioning mode feature allows relay to energise within a few seconds after power is applied thus overcoming the need to wait several minutes
- Red LED flashes during restart delay (Td) confirming power is present and all phases are above the 75% trip level
- Meets DEWA regulations (Section 8.2)*
- Temperature rating up to +60°C
- Monitors own supply and detects an under-voltage condition
- Fixed Under voltage trip level (75% of Un)
- Adjustable Time delay (5 – 10m)
- SPDT relay output 6A
- Green LED indication for supply status
- Red LED also used for relay status
- Compact 17.5mm DIN rail housing



FUNCTION DIAGRAM



INSTALLATION AND SETTING



Installation work must be carried out by qualified personnel.

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required. The Connection Diagram below shows a typical installation, whereby the supply to a load is being monitored by the unit. If a fault should occur (i.e. fuse blowing), the relay will de-energise and assuming control of the external Contactor, de-energise the Contactor as well.

Applying power.

- Apply power and the green LED ① will illuminate. The relay will remain de-energised.
- Assuming the supply voltage is above the fixed trip level (plus hysteresis) the delay period (Td) will commence and the red LED ② will flash during this period.
- After the set delay has elapsed, the relay will energise and red LED ② remain on.

Setting the unit

- Set the "Delay (Td)" ③ adjustment as required.

Troubleshooting.

The table below shows the status of the unit during a particular condition.

Supply status	Green LED ①	Red LED ②	Relay
No supply	Off	Off	De-energised
Under voltage condition	On	Off	De-energised
Following supply loss or voltage returning > 75% of Un	On	Flashing	De-energised for delay period (Td)

COMMISSIONING MODE

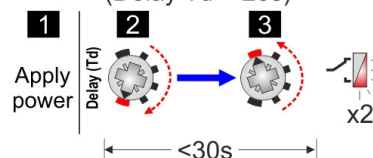
- The Commissioning Mode feature can be enabled as soon as power is applied provided the "Delay (Td)" adjustment position is changed as described below, and within the 30s period provided.

To enter Commissioning mode (Note this must be done within 30s of applying power)

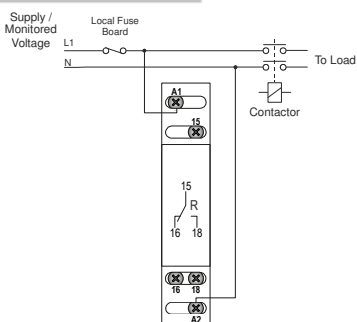
- Ensure "Delay (Td)" ③ is set to minimum. Apply power.
- Set adjustment to maximum (fully clockwise).
- Set adjustment to minimum again.

The relay will now energise and red LED ② flash quickly to denote this mode has been enabled.
To revert to normal operation, remove and re-apply power.

Entering Commissioning mode (Delay Td = 20s)

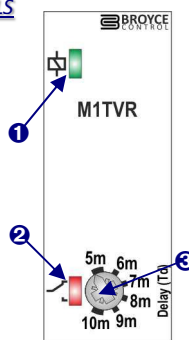


CONNECTION DIAGRAM



SETTING DETAILS

- Supply status (Green) LED
- Relay output/timing status (Red) LED
- "Delay (Td)" adjustment



DIMENSIONS

