



M2000DC ZV ELV DISCONNECTOR ABOVE GROUND PASSIVE PILLAR

- Tofco Zero Voltage 12VDC ELV Disconnecter
- Tilt & Collision Sensor Interface
- DIN rail mounting
- <400ms second Disconnect if column is impacted
- RoHS Compliant

Connections & Indicators

Switched Output	x SPNO (Live + Neutral 230VAC / 50Hz)
Contact Material	AgSnO ₂ (for lamp loads - 25A max inrush)
Switched Sensor Output	12VDC for CDU Sensor. Internally isolated in trip mode
Power Supply	230VAC Live & Neutral
LED Indicators	Red Pulsing = Unit Working; Off = No Power or Fault; Yellow On = Power Out OK; Off = Unit tripped Green On = Unit OK; Flashing = Vibration detected; Off = Unit tripped

Description of Operation M2000DC ELV 12V SENSOR SYSTEM:

The M2000DC module is a bespoke monitoring device, design to work with the TOFCO Collision Detector Unit - CDU and will only operate in the event of a significant impact, wind and traffic vibration are filtered out by the unique time delay facility.

The TOFCO TPSK-ZV-FP Feeder Pillar System use the M2000DC ELV & CDU technology to provide Complete Electrical Isolation of an impacted column, sign or pole.

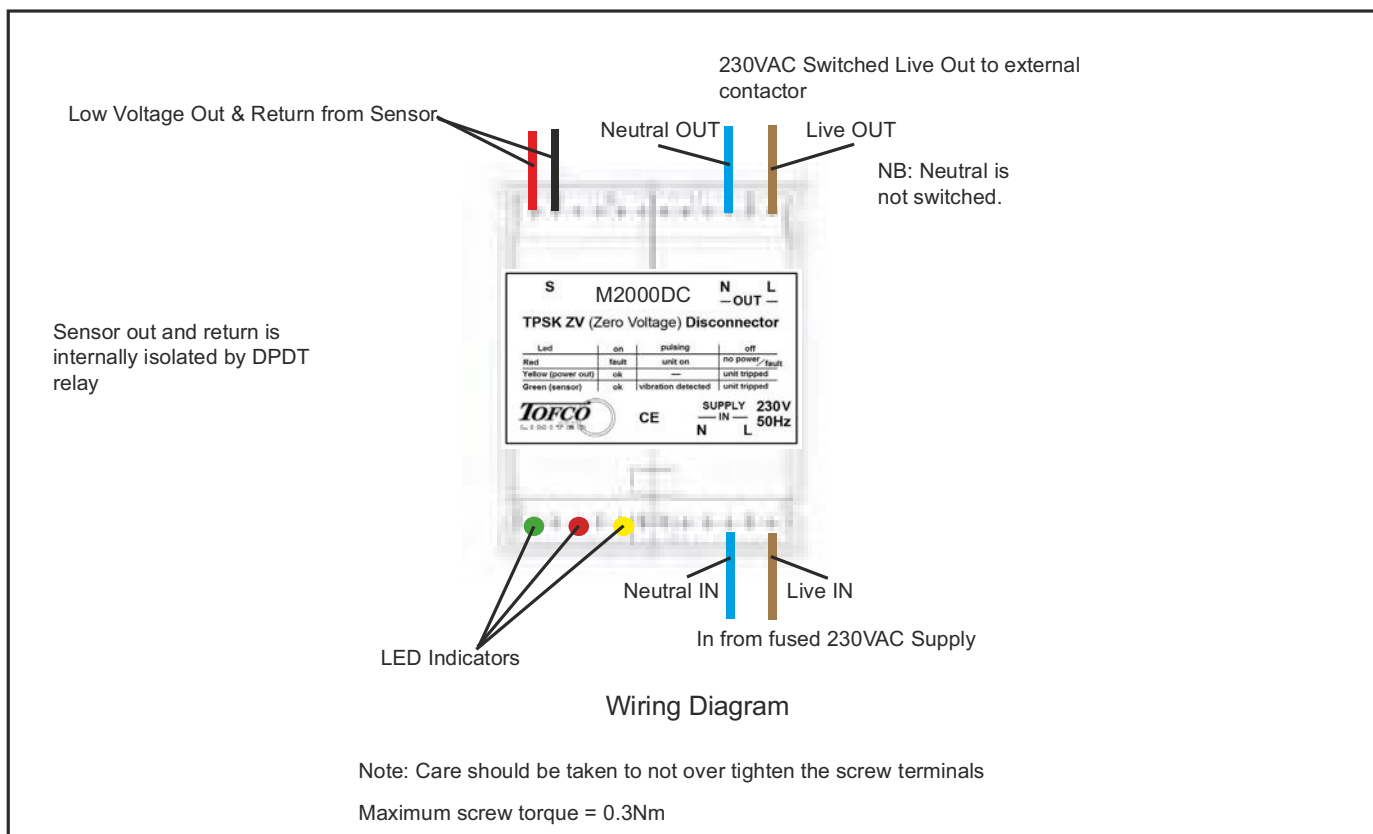
Extra Low Voltage 12VDC is supplied to the CDU by the M2000DC, the return from the sensor goes to the sensor input. When the CDU goes open circuit indicating an impact, the M2000DC detects the opening of the CDU and disconnects its output from the supply within the time constraints of BSEN 12767 - <400ms.

The sensor supply & return is also disconnected, turning off the supply and making the circuit completely isolated.

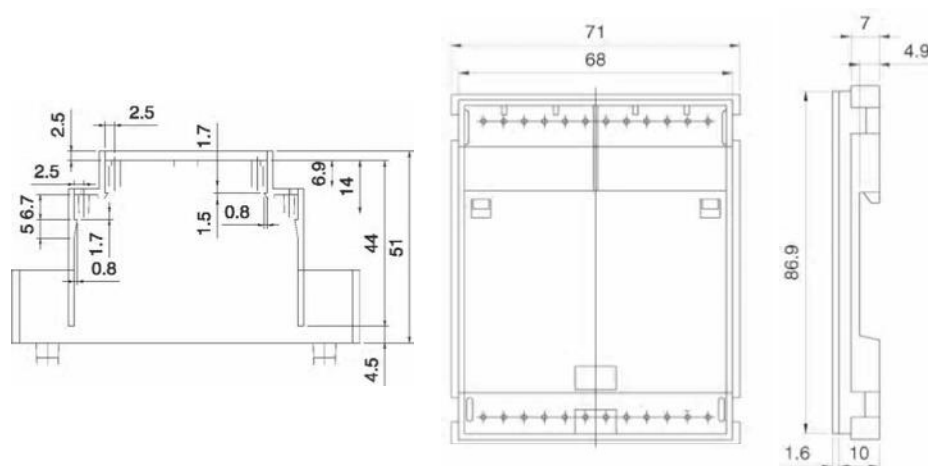
The M2000DC is reset by turning off and re-applying the supply to the module. If the CDU is still open circuit indicating a knock down the M2000DC will not reset.

M2000DC

TPSK ZV LV Disconnecter

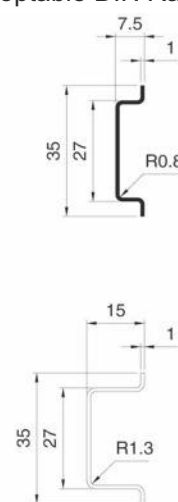


Dimensions:



All dimensions are in mm.

Acceptable DIN Rail



All dimensions are in mm.

Specifications are liable to change without notice.

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