

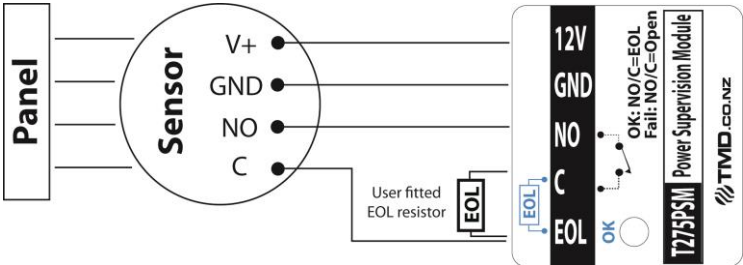


Power Supervision Module for 4-wire Detection Circuits

1.0 Overview



- ✓ The T275PSM Power Supervision Module monitors 12VDC power supply to wired intrusion sensors.
- ✓ If the power supply fails, the T275PSM presents open circuit to the alarm panel indicating a fault condition.
- ✓ If the power supply is Ok, the T275PSM presents a user supplied EOL resistance to the alarm panel.
- ✓ Simple to install, only 4 wires.
- ✓ LED to indicate OK/FAIL status.
- ✓ Reliable solid state design.
- ✓ Small size.



2.0 Specifications

Parameter	Description
Dimensions (mm)	35 x 30d x 10h (including connector)
Weight	10g
Current (standby)	10mA max
Voltage (standby)	9VDC - 15VDC
Voltage (trigger)	9VDC +/- 6%
Trigger delay	120ms typ
Contact rating (solid state)	80mA @ 15VDC
Operating temp	0 deg C – 55 deg C
Certification	Nil, user must test and confirm fit for purpose

3.0 Installation

Terminal	Descr
12V	Sensor 12V
GND	Sensor Ground
NO	Sensor NO
C	EOL resistor (user fitted)
EOL	Sensor COM and EOL resistor

Fit EOL resistor to connector on T275PSM. Select value based on alarm panel model and requirements.

4.0 Test

Step	Action	LED	Multimeter
1	Install appropriate EOL resistor in EOL and EOL/C.		
2	Connect multimeter on resistance setting between NO/EOL. If no multimeter available, LED indicates status.		
3	Apply 12V.	ON	EOL Ohms
4	Remove 12V (or < VTrigger).	OFF	Open Circuit

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