

**ATEX Approved,
Auto-calibrating, Fixed Point
Level sensor
DIGIMATIC DML3**

A certified, automatic calibration level control for use in liquids, solids and powders. *Certified to ATEX, group II, Category 1, Dust, Temperature T80°C.*

(M101528A Ex II 1D T80°C BAS99ATEX1275).

The Digimatic incorporates a micro-processor which automatically calibrates the unit to suit both the vessel and range of material in which it is used. The unit can also be calibrated manually if desired.

Automatic calibration is carried out simply by pressing one button with the probe uncovered and a second when covered. The unit can be recalibrated as required. In the manual mode, the same buttons are used to raise or lower the sensitivity.

A removable calibration link is fitted to prevent accidental or unauthorised recalibration.

The Digimatic incorporates a "power shield" to overcome the effects of sticky or viscous materials adhering to the probe allowing it to respond only to a genuine covered condition.

A range of probe rods are available in solid stainless steel or wire rope in lengths up to 10 metres

The Digimatic is suitable for both top or side entry and operation is from 110/230V AC supplies*.

✱ **ATEX approved for Dust Hazard use.**

✱ **Automatic or manual calibration**

✱ **"Power shield" material build up compensation**

✱ **Removable calibration link prevents unauthorised adjustment**

✱ **Adjustable time delay**



SYNATEL

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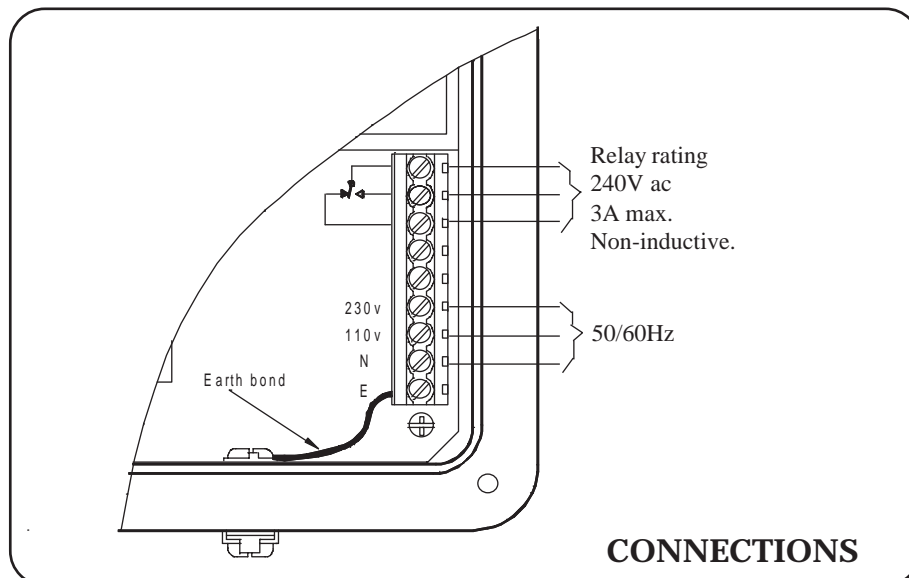
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SPECIFICATION

DIGIMATIC DML3	
TYPE	M101528A Ex II 1D T80°C BAS99ATEX1275
SUPPLY	115/230 volts AC 50/60Hz. 24V dc version also available*.
SUPPLY TOLERANCE	-15%+7.5%.
SUPPLY CABLE SIZE	Min: 1 sq.mm Max: 4 sq.mm
SUPPLY CABLE FUSE/Cct BREAKER (max rating):	5A
LOAD	1.5VA.
AMBIENT TEMPERATURE	-10°C to +50°C.
SENSITIVITY	0.5 picofarad.
OUTPUT	1 set of volt free relay change-over contacts rated at 2.5A 240 V ac non-inductive.
FAIL-to-SAFE	High or low level mode, selected by a switch.
CALIBRATION	Automatic or manual calibration using independent push buttons for covered and uncovered conditions.
CALIBRATE LOCK	A removable calibrate link prevents accidental or unauthorised adjustment.
TIME DELAY	Adjustable via single pushbutton, 0-128 seconds delay on material arriving and leaving.
INDICATORS	LEDs show power, probe covered and calibrating.
BUILD -UP	Power shield automatic compensation for material build-up on the probe.
CABLE ENTRY	20mm conduit entry.
MOUNTING	Via 1" B.S.P Taper thread.
CONNECTIONS	Screw terminal block.
PROBE	Stainless steel. In 320mm, 1m, 2m rod or 10m wire rope.
ENCLOSURE	Flame retardant, glass filled nylon enclosure. (Modified polyamide 66).
PROTECTION	IP65.
WEIGHT	DML3 2Kg 30cm rod 250g 1 metre rod 1.5Kg 2 metre rod 3Kg 10 metre wire rope 1.25Kg

HOW TO ORDER:-

1. Order Digimatic **DML3**
2. Order probe required (see chart)



DUST HAZARD APPROVAL:
 ATEX, group II, Category 1, Dust,
 Temperature T80°C.
 (equivalent to: EN1127-1 1997 Zone 20)

Probe Description	Order Code
320mm Stainless Steel Rod	822-005
1 metre Stainless Steel Rod	822-003
2 metre Stainless Steel Rod	822-004
10 metre Stainless Steel Wire Rope	823-004