

**Autocalibrating, Fixed Point,  
Capacitance Level Sensor  
DIGIMATIC - DML1**

An automatic calibration level control for use in liquids, solids and powders.

The Digimatic incorporates a microprocessor which automatically calibrates the unit to suit both the vessel and range of material in which it is used.

Calibration is carried out simply by pressing a single push button with the probe uncovered and again when covered. A manual override is also provided for special applications.

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 24V DC or 110/230V AC supplies.

- \* **Automatic calibration**
- \* **Adjustable time delay**
- \* **Operation from both AC and DC supplies**
- \* **"Power shield" material build up compensation**

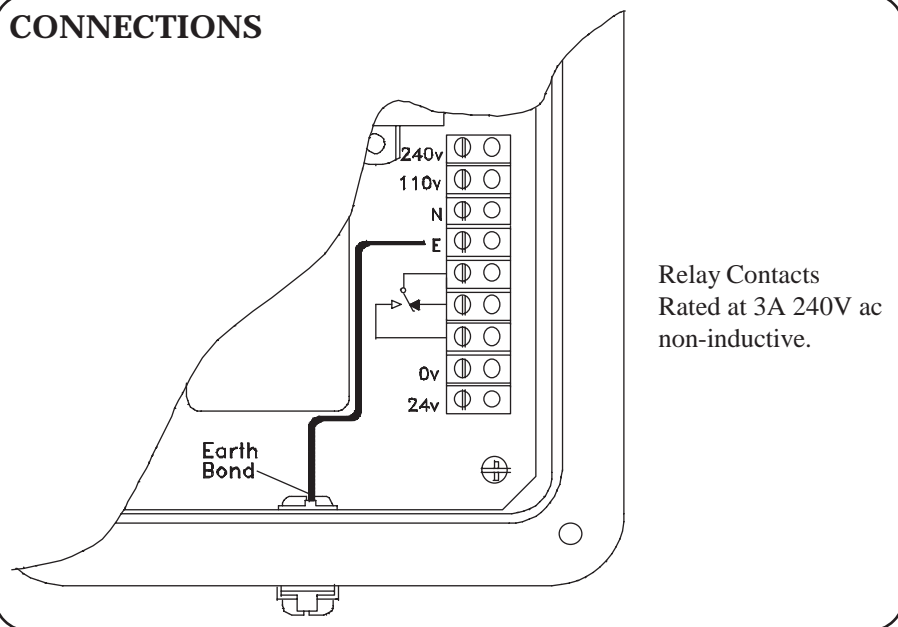
# SPECIFICATION

<b>DIGIMATIC DML1</b>													
<b>SUPPLY</b>	115/230 volts AC 50/60Hz or 24 volts DC.												
<b>SUPPLY TOLERANCE</b>	-15%+10%.												
<b>AMBIENT TEMPERATURE</b>	-15°C+50°C.												
<b>SENSITIVITY</b>	0.5 picofarad.												
<b>OUTPUT</b>	1 set of volt free relay change-over contacts rated at 3 A 240 V ac non-inductive.												
<b>FAIL-to-SAFE</b>	High or low level mode, selected by a switch.												
<b>CALIBRATION</b>	Push button automatic calibration.												
<b>TIME DELAY</b>	Adjustable via single pushbutton, 0-99 seconds delay on material arriving and leaving.												
<b>INDICATORS</b>	Multifunction LEDs show high level, low level output state and probe calibrating.												
<b>BUILD -UP</b>	Power shield automatic compensation for material build-up on the probe.												
<b>LOAD</b>	1.5VA.												
<b>CABLE ENTRY</b>	Two 20mm conduit entries (one undrilled - must not be knocked out).												
<b>CONNECTIONS</b>	Screw terminal block.												
<b>PROBE</b>	Stainless steel. In 320mm, 1m, 2m or 10m wire rope.												
<b>ENCLOSURE</b>	Flame retardant, glass filled nylon enclosure.												
<b>PROTECTION</b>	IP65.												
<b>FUSING</b>	Supply should be fused at 5A maximum.												
<b>WEIGHT</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">DML1 2Kg</td> <td style="width: 33%;">30cm rod</td> <td style="width: 33%;">250g</td> </tr> <tr> <td></td> <td>1 metre rod</td> <td>1.5Kg</td> </tr> <tr> <td></td> <td>2 metre rod</td> <td>3Kg</td> </tr> <tr> <td></td> <td>10 metre wire rope</td> <td>1.25Kg</td> </tr> </table>	DML1 2Kg	30cm rod	250g		1 metre rod	1.5Kg		2 metre rod	3Kg		10 metre wire rope	1.25Kg
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## HOW TO ORDER:-

1. Order Digimatic **DML1**
2. Order probe required (see chart)

## CONNECTIONS



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