

**ATEX Approved,
Auto-calibrating, Fixed Point
Level sensor
DIGIMATIC DML4(A)**

A certified, automatic calibration level control for use in liquids, solids and powders. *Certified to ATEX, group II, Category 1, Dust, Temperature T100°C.*

(Ex) II 1D T100°C Tamb -20°C to +50°C BAS01ATEX1400).

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.

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 4 digit LED displays shows set values of uncovered, covered and

trip settings, during calibration, and measured values during normal use. The display is also used to show any time interval which may have been programmed.

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 or 24V dc supplies.

- ✱ **ATEX approved for Dust Hazard use.**
- ✱ **Membrane keypad for calibration purposes.**
- ✱ **Automatic or manual calibration**
- ✱ **"Power shield" material build up compensation**
- ✱ **Adjustable time delay**

SPECIFICATION

TYPE	⊕ II 1D T100°C BAS01ATEX1400 M300225A
SUPPLY	115/230 V ac 50/60Hz.and 24V dc.
SUPPLY TOLERANCE	+6.5%.to-10%.
SUPPLY CABLE SIZE	Min: 1 sq.mm Max: 4 sq.mm
SUPPLY CABLE FUSE/Cct BREAKER (max rating):	5A
LOAD	1.5VA. max ac, 50mA max dc.
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.
OUTPUT MODE	High or low level, selected by a switch.
CALIBRATION	Automatic or manual calibration using independent push buttons for covered and uncovered conditions.
DISPLAY	LED display used for calibration purpose and timer setting.
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 Parallel thread.
CONNECTIONS	Screw terminal block.
PROBE	Stainless steel. In 10cm, 1m, 2m rod or 10m wire rope.
ENCLOSURE	Flame retardant, glass filled nylon enclosure. (Modified polyamide 66).
PROTECTION	IP65.
WEIGHT	DML4(A) 2Kg 10cm rod 250g 1 metre rod 1.5Kg 2 metre rod 3Kg 10 metre wire rope 1.25Kg

HOW TO ORDER:-

1. Order Digimatic **DML4(A)**.
2. Order probe required (see chart)

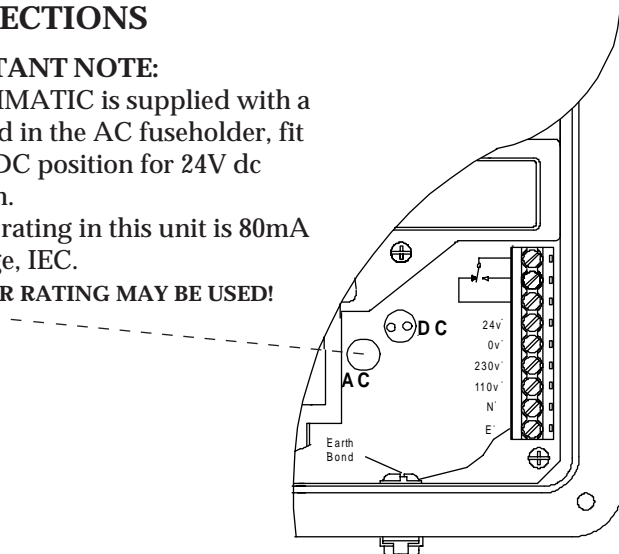
CONNECTIONS

IMPORTANT NOTE:

The DIGIMATIC is supplied with a fuse fitted in the AC fuseholder, fit into the DC position for 24V dc operation.

The fuse rating in this unit is 80mA anti-surge, IEC.

NO OTHER RATING MAY BE USED!



DUST HAZARD APPROVAL:

ATEX, group II, Category 1,Dust,
Temperature T100°C.
(equivalent to: EN1127-1 1997 Zone 20)

Probe Description	Order Code
10cm Stainless Steel Rod	822-006
1 metre Stainless Steel Rod	822-003
2 metre Stainless Steel Rod	822-004
10 metre Stainless Steel Wire Rope	823-004