Capacitive

110/230V ac

Power Shield

24V dc

Timers

240V ac 3A

? | 144 | 100

132

15"

Power shield cover must protrude into container as far as possible, and at least 6mm.

1" BSP taper mounting thread

Blind conduit entry tapped 20mm. Drill out to use.

External ground connection

Conduit entry tapped 20mm

SYNATEL

DIGISET

4x Stainless steel captive fixing screws

DIMENSIONS

Fixed Point, Capacitance Level Sensor
DIGISET - DSL4

A fixed point level controller, of advanced design, for use with liquids, powders and granular solids.

The type DSL.4 level controller provides high, low, or intermediate level control of materials stored in silos, hoppers or other containers.

It incorporates a "power shield" circuit which automatically eliminates the effect of material sticking to the probe resulting in it responding only to true "probe covered" conditions.

Calibration is by means of a simple digital system. It provides a quick and accurate setting up procedure.

Digiset units are designed for both side and top entry into the container vessel. The stainless steel probe rod can be provided in lengths of 320mm, 1 metre or 2 metres. For applications requiring more than 2 metres, a 10 metre wire rope & end weight is available in stainless steel, which can be cut to any length on site.

Operation is direct from 110/230 volts 50/60Hz or 24 volts dc supplies. The output comprises a set of voltage free relay contacts. Fail-to-safe can be selected by a switch for either a high or low level mode. A simple timer (0 - 5 sec) is provided for use, typically, with splashing liquids to prevent spurious tripping.

❋ *Power Shield Compensation*

❋ *Simple Digital Calibration*

❋ *Operation from both AC and DC Supplies*

❋ *Top or Side Entry into the Storage Container*

▷ SYNATEL

SPECIFICATION

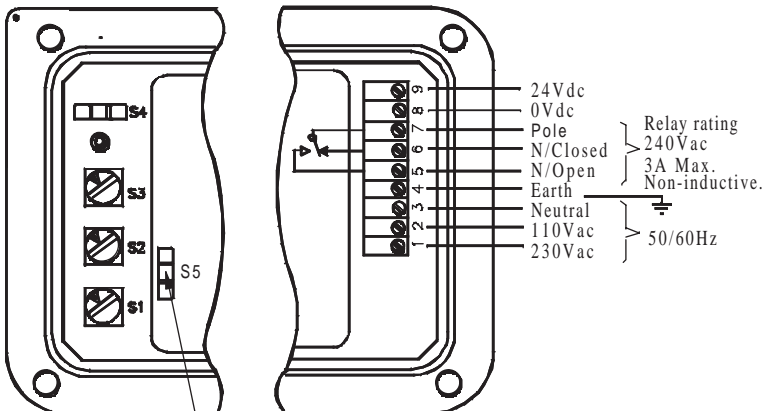|	DIGISET DSL4
SUPPLY	110/230 volts AC 50/60Hz or 24 volts DC.
SUPPLY TOLERANCE	-15%+10%
AMBIENT TEMPERATURE	-15°C to +50°C
SENSITIVITY	0.5 picofarad
OUTPUT	1 set of voltage free relay change-over contacts rated at 3 amps 240 volts AC non-inductive
FAIL-to-SAFE	High or low level mode, selected by a switch
CALIBRATION	By 3 rotary, 10 position, digital switches
TIME DELAY	Rotary adjustment 0-5 second maximum
INDICATOR	LED probe covered (material detected) indicator
BUILD-UP COMPENSATION	Power shield automatic compensation for material build-up on the probe
LOAD	1.5VA
CABLE ENTRY	Two 20mm conduit entries (one undrilled)
CONNECTIONS	Screw terminal block
PROBE	Stainless steel. Available in 320mm, 1m, 2m or 10m wire rope
ENCLOSURE	Flame retardant, glass filled nylon enclosure
PROTECTION	IP65
FUSING	Supply should be fused at 5 amps max
WEIGHT	DSL4 Probe Head 2Kg 30cm rod 250g / 1 metre rod 1.5Kg / 2 metre rod 3Kg / 10 metre wire rope 1.25Kg

HOW TO ORDER:-
1. Order **Digiset** type **DSL.4**.
2. Order **probe** required (see chart).

CONNECTIONS

Part 1 - Switch Layout   Part 2 - Connections

Note: Sensitivity switch S5 located under black cover. Factory preset at LOW.

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