

DIGIMATIC REMOTE CAPACITANCE DMR2

A 3 part, remote level sensor consisting of: a) Control unit **DRC105A**, b) Transverter **DCT2** signal conditioning interface, c) probe head/probe (type depends upon application/temperature).

Automatic high/low level calibration with full manual override. LED display shows calibration and run mode readings. Control module can be mounted up to 100 metres from probe head (ideal for installing into control panel). Probes available for up to 250°C use.

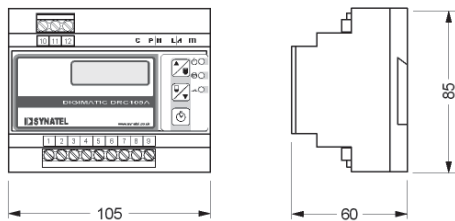
The DMR2 is ideal for all level sensing applications where temperature or vibration are a problem, or space is restricted. The control unit (DRC105A) may be up to 100 metres from the probe head allowing calibration without need to climb the silo.

All standard Digimatic features are retained including power shield compensator for preventing false signalling due to material build up.

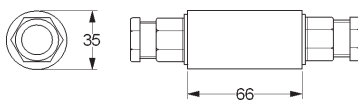


Dimensions

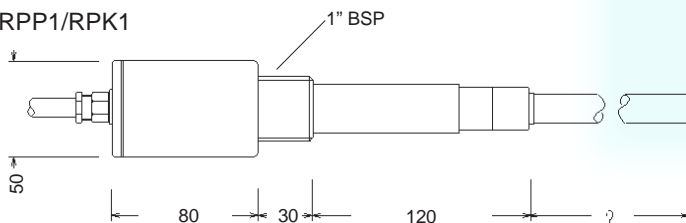
DRC105A



DCT2



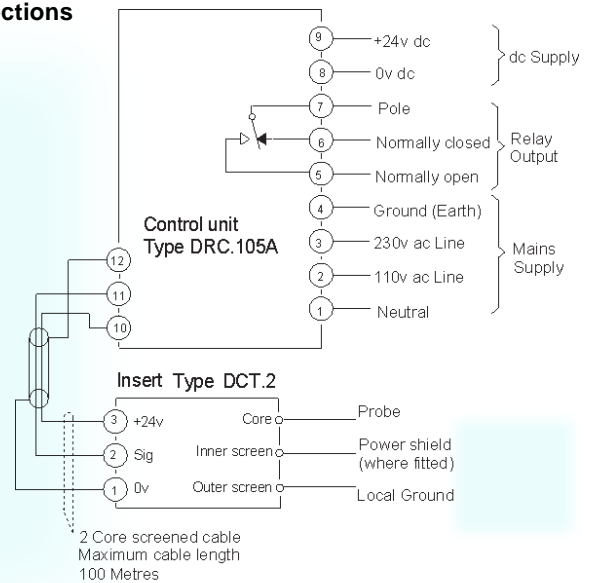
RPP1/RPK1



SPECIFICATION - GENERAL

Supply	DRC105A: 110/230V ac, 24V dc
Load	1.5A max ac, 50mA dc.
Ambient Temp	-10°C to +50°C. for DRC105A, probe head depends upon type used (upto 250°C).
Probe Heads	RPP1: Polypropylene suitable upto 125°C. RPK1: PEEK suitable upto 250°C.
Output	SPCO Relay rated @ 2.5A 240V ac Non Ind.
Output Mode	Switch selectable for output normally ON (high level) or normally OFF (low level).
Calibration	Membrane pushbutton with LED Display.
Indicators	Digital display for calibration and run mode + power, timer and O/P LED's.
Mounting	1" BSP.
Protection	IP40 for DRC105A , IP65 all other parts.
Compensator	Power shield compensates for material build up between probe and vessel wall. Prevents false signalling.
Weight	DRC105A - 275gms. DCT2 - 120gms. RPK1/RPP1 - 410gms. Plus probe rods as detailed below.

Connections



Note on probes without a PowerShield, inner screen should be stopped just before the probe connection and left unconnected. The outer screen must be connected to ground near to the probe. Metal flanges etc used for mounting probes in non metallic containers must also be bonded.

Probe head ordering codes:

Standard unit: **RPP1** (250°C), PEEK unit: **RPK1** (350°C), plus control unit **DRC105A**, plus transverter unit **DCT2**, plus probe rod as required - see 'probe rods section'.