CAPACITIVE LEVEL 11-PIN PLUG-IN MODULES

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CLR1 / CLR2



OVERVIEW

This module will give you many years of service and is guaranteed for 12 months against faulty workmanship and materials. In addition a full repair service is available through ACDC Dynamics branch.

INSTALLATION

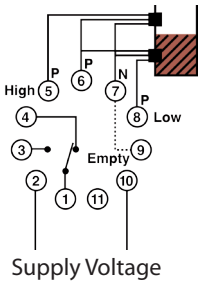
This module should be installed by a competent electrician in accordance with the relevant diagram. Read these instructions carefully to ensure that the functions / settings / control voltage are correct prior to switch on.

FEATURES

- Fail safe operation
- SPDT relay 10A / 250VAC
- 500ms response time

Supply Voltages Available	
AC Supply	Galvanic isolation input transformer 12, 24, 48, 115, 230, 400, 525VAC ±15%
DC Supply	12, 24, 48VDC

Connection Diagram



OPERATION

Using NPN Probe

Filling: The relay energises when the level drops below the lower level sensor and de-energises when the level again reaches the high level sensor again.

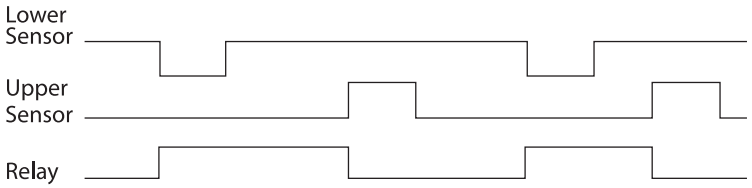
Emptying: The relay de-energises when the level drops below the lower level sensor and re-energises again when the level reaches the high level sensor again.

Using PNP Probe

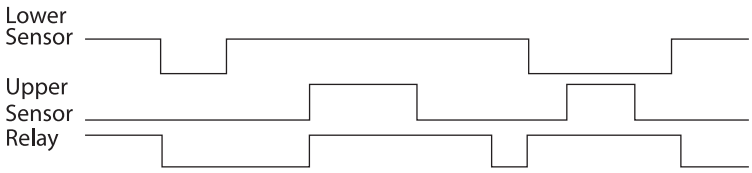
The relay function in reverse to the above

NPN SENSOR CONNECTION	2 WIRE PROBE CONNECTION
Pin 5 (P) High Level - Black	**Probe 1**
Pin 6 (P) Common - Brown	Pin 5 (+) Pin 6 (-)
Pin 7 (N) Common - Blue	**Probe 2**
Pin 8 (P) Low Level - Black	Pin 7 (+) Pin 6 (-)

Filling (NPN)



Draining (NPN)



Specifications	
Ambient Temperature	-20˚C to 70˚C
Power Consumption AC	1.5VA
Power Consumption DC	100mA @ 12VDC
SPDT Relay	10A / 250VAC
Isolation Test Voltage	2kV

BRANCH CONTACT DETAILS

Johannesburg:	010 202 3300
Cape Town:	021 510 0710
Pinetown:	031 700 4215
Germiston:	011 418 9600
Riverhorse:	031 492 4800

NATIONAL CALL CENTRE

Sales 010 202 3400
Technical 010 202 3500

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