Basic Noflote Level Control Unit — BD926

Data Sheet Iss 4.0	Feb 17

Function: Basic level control for electrically conductive media such as Water, Chemical Compounds, Acids, Beverages, Sewage, etc. The sensitivity of the BD926 can be user adjusted over the entire range by means of a potentiometer located behind the fascia label. The alarm relay can be configured as a High (Media Rising) or a Low (Media Falling) Trip, and for the relay to operate in a Fail-Safe or Non-Fail-Safe mode. When used with multiple electrodes, the relay acts in a latching mode between the two measuring electrodes.

INPUTS:

The input to the BD926 can be any single or multiple electrode conductivity level probe. Typically, it is suitable for probes from the 81 series Noflote range. 81NEL, 81NEW, 81NEO, 81NEM, etc.

Conductivity Range
200 to 20K Ohms approximately

Sensitivity
Sensitivity is adjustable by means of a 270° potentiometer accessible once the front panel is removed.

OUTPUTS:

Relay Contact
Two SPCO relay

When used with a multiple electrode probe the relay will have a latching action.

Contact Ratings
0.6A 125V AC
0.6A 110V DC
2A 30V DC

Switching Mode
(Link selectable once front panel is removed)
High fail-safe (Factory de-fault)
or
Low fail-safe

Relay State Indication
Bi-colour red/green LED
Green = Stable State
Red = Alarm State

SUPPLY:

Power Supplies
115 Volt AC ±15% 50/60 Hz
or
230 Volt AC ±15% 50/60 Hz
(To be specified at time of order)

Power Required
2.0 VA Maximum

GENERAL:

Operating Temperature Range
0 to +45°C

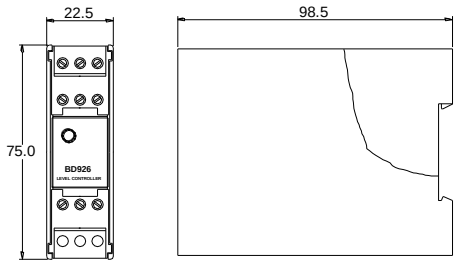
Storage Temperature Range
-20 to +60°C

Operating Humidity Range
0 to 95% RH non-condensing

Storage Humidity Range
0 to 95% RH non-condensing

Weight
BD926 145 gms

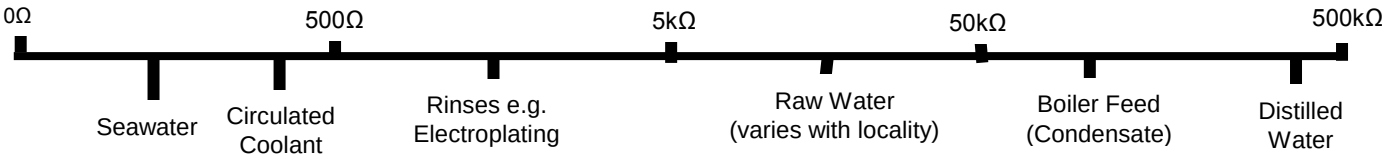
MECHANICAL DETAILS



TERMINATION DETAILS

Terminal		Terminal	
1	Supply Neutral	7	-------+ Normally Open 1
2	Supply Live	8	Relay Common 1
3	Unused	9	-------+ Normally Closed 1
4	Sensor 1 }	10	-------+ Normally Open 2
5	Common } Inputs	11	Relay Common 2
6	Sensor 2 }	12	-------+ Normally Closed 2

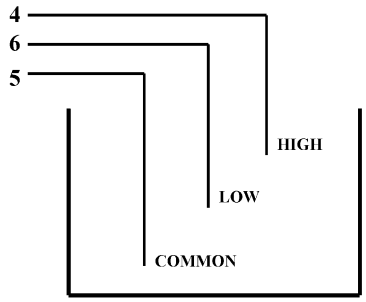
Typical Resistance Ranges



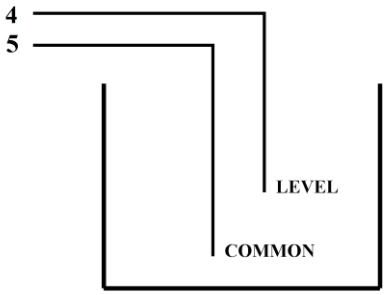
LEE-DICKENS LTD, Rushton Road, Desborough, Kettering, Northants, NN14 2QW Tel: 01536-760156

BD926 Electrode Connections Details

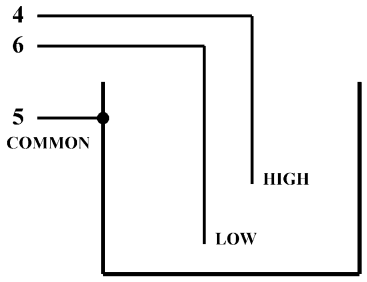
3 Electrodes - Insulated Tank



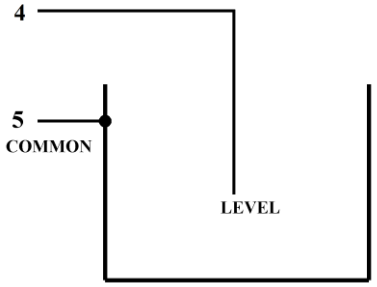
2 Electrodes - Insulated Tank



2 Electrodes - Conductive Tank



Electrode - Conductive Tank



ORDERING DETAILS

a) Give identification code, i.e. BD926
b) Give power supply voltage, i.e. 230 Volt AC