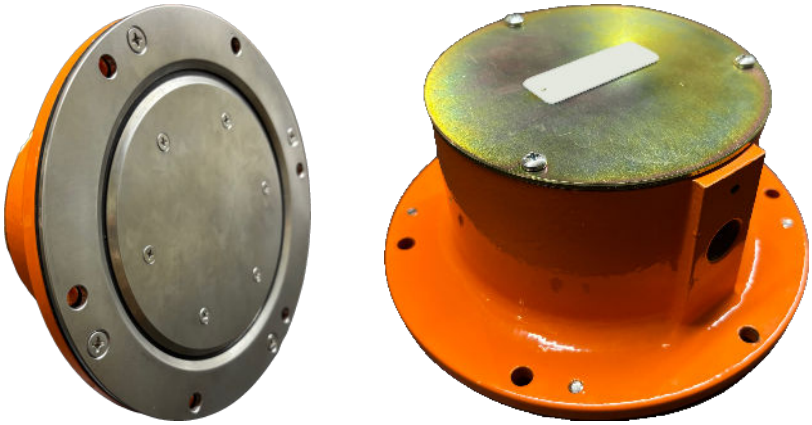
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DOWNIE BIN LEVEL CONTROL SWITCH

D-1385 (150mm) • D-1403 (300mm)

Manufactured by One Stop Engineering | Supplied by Leveltec Engineering



The "Downie" Bin Level Control Switch is a simple device for indicating a choked chute and the high or low level of the contents of a bin or hopper. It is designed for fine dry material up to 65mm screen in the 150mm model D-1385, and coarse, medium to dense material up to 155mm screen in the 300mm model D-1403.

The Bin Level Control Switch consists of a heavy duty weatherproof cast housing with six mounting holes for bolting to the outside of the bin.

The diaphragm operating plate is depressed by the material inside the bin, which in turn actuates up to 2 microswitches, each with a 1 N/O / 1 N/C changeover circuit rated at 15A / 250VAC.

The switch and operating mechanism are totally enclosed in the housing, but are readily accessible without removing the unit from the bin.

FEATURES

- Cast iron body housing a heavy duty microswitch with N/O / N/C changeover circuit rated at 15A / 250VAC
- Up to 2 microswitches per unit
- 20mm screwed conduit entry and earth screw
- Gasket-sealed back cover – dust and weatherproof
- Heavy duty rubber diaphragm supporting a steel disc in contact with the bin material
- Disc and diaphragm travel limited by stops
- Adjustable operating force

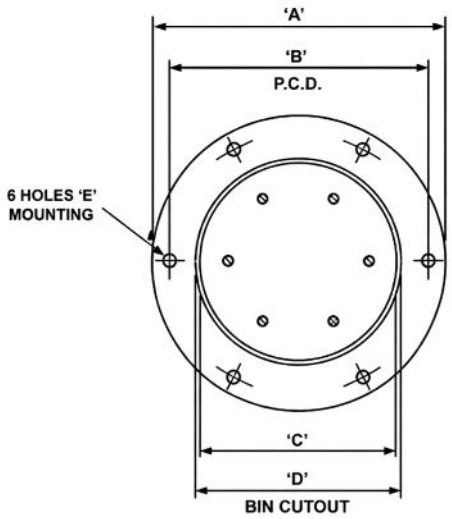
MODELS

Model	Size	Material
D-1385	150mm (6")	Fine dry material up to 65mm screen
D-1403	300mm (12")	Coarse, medium to dense material up to 155mm screen

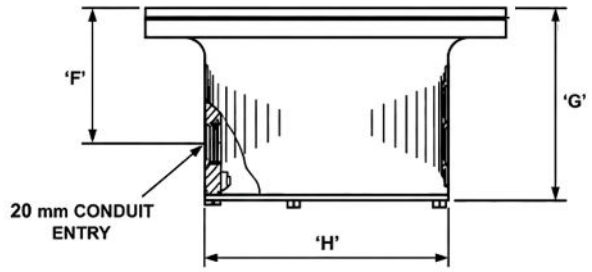
APPLICATIONS

Choked chute detection • High and low bin level • Hoppers • Transfer chutes • Bulk materials handling

DIMENSIONS – D-1385 (150MM)

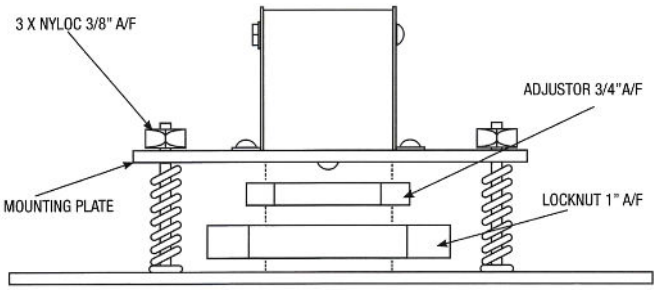


Dim	D-1385
A	216.0mm
B	196.8mm – mounting P.C.D.
C	150.0mm
D	172.0mm – bin cutout
E	9.5mm – 6 mounting holes
F	57.2mm
G	96.5mm
H	144.0mm



Dimensions in millimetres. Do not scale drawing.

SETTING ADJUSTMENT



Initial diaphragm setting: 2.5–3.25kg
Possible range: 0–6kg

To increase or decrease the initial setting:

1. Unscrew the three "Nyloc" nuts and remove the switch and mounting plate.
2. Loosen the centre locknut.
3. Tighten or loosen the hex head adjustor until the desired value is reached.
4. Re-tighten the centre locknut.
5. Replace the switch mounting plate and adjust the "Nyloc" nuts until the switch contacts operate with 0.8mm of diaphragm movement.



