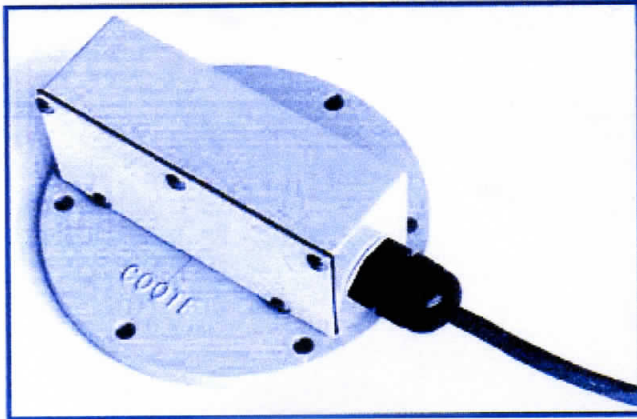


BL15 / BL15S DIAPHRAGM SWITCHES



- ◆ **BL15/S (sealed) for applications where moisture is present (as above)**
- ◆ **BL15 (standard) for dry moisture free conditions**
- ◆ **Level indication and control**
- ◆ **Safety cut out for conveyor systems**
- ◆ **Reliable, long life operation, maintenance free**
- ◆ **Suitable for granular materials and some powders**
- ◆ **Various diaphragm materials to suit most environments**
- ◆ **Overload proof design**
- ◆ **Simple to install**

BL15 and BL15/S

Coote Diaphragm switches are available in standard and sealed versions for reliable and inexpensive sensing of most powders and granular materials in dry bulk storage systems, feed hoppers, chutes and similar equipment.

These are used extensively on conveyers systems in a safety switching mode. When ordering always advise of the product to be handled to ensure correct selection is achieved.

Installation of switches

- ◆ Cut a 100mm diameter hole in flat mounting surface.
- ◆ Drill 6 mounting holes for M6 bolts. Attach switch to mounting surface.
- ◆ As the diaphragm effects a surface seal a mounting gasket is not required.
- ◆ BL15/S has a 20mm electrical cable gland entry hole.
- ◆ BL15 has a plain 8mm hole for cable entry.



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Specifications

Construction

Robust cast aluminium housing for long life and corrosion resistance.

Diaphragm

Nitrile rubber as standard. Other materials are available such as silicone and polyurethane which can handle animal, vegetable or mineral oil, food stuffs and abrasive materials. We also cater for varying temperature ranges.

Adjustment

Factory set for all normal applications (i.e. typical mounting surfaces and materials). Re-adjustment to meet unusual requirements or if settings have been disturbed is described in separate instruction leaflet.

Operating force

100gms (Approx)

Weight

0.5 kg - BL15

0.7 kg - BL15/S

Switch

Type - S.P.C.O Micro switch

Rating - 15AMP 250V / 0.3AMP 250V DC

Life - > 3×10^7 (Operations)

Temperature range

-20°C to +85°C as standard. Other ranges on application depending on diaphragm material and working environment

Sealing

BL15/S model meets I.E.C. spec 529/54

REMEMBER

Advice is free - Please ask if uncertain of suitability for intended use

Coote Ltd Maintain a policy of continued development and therefore reserve the right to introduce changes in design and construction without prior notice