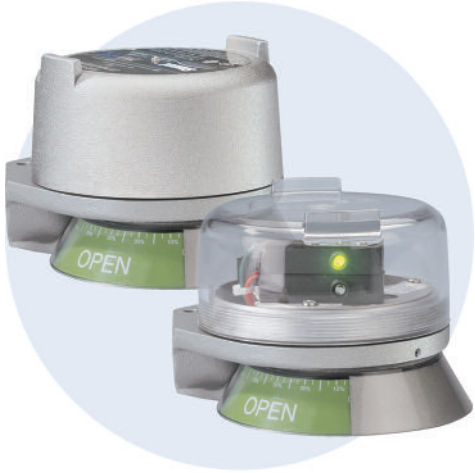


YH, YO & YE Series

Limit Switch



The YH, YO & YE Series offers one of the most versatile platforms for adapting to a variety of valve systems. The explosion/flame proof design is CSA/FM approved and ATEX certified for use in hazardous environments. With the epoxy coated anodized aluminum enclosure it may be used in corrosive heavy wash down areas as well.

In North America, FM and CSA have certified the YH, YO & YE Series for use without seal fittings in all hazardous areas. By passing special pressure piling tests, the enclosure was certified for this elite distinction. Now, a time-consuming procedure can be safely eliminated in Division 1 areas.

The YH, YO & YE Series design offers two conduit entries with extra wire terminations on the terminal block. By terminating solenoid valves in the switch enclosure, significant savings are realized by eliminating a junction box, wiring, conduit materials and labor.

FEATURES

- Screw-on cover allows quick enclosure access, saving you valuable maintenance and set-up time. The cover provides a vapor tight seal and allows entry to internal components in less than five seconds.
- Pre-wired and labeled terminal strip enables quick, convenient attachment of field wires.
- Reliability with switching options that include Maxx-Guard proximity switches and mechanical switches.
- Quick set cams are easy to adjust with "Touch and Tune" switch settings allowing you to make adjustments in seconds without the use of tools.
- Top inner and bottom outer shaft O-rings seal the drive bushing from both external corrosives and internal contaminants that enter the enclosure. Seals contain the drive bushing lubricant assuring smooth operation.
- Space saving visual indicator offers excellent viewability without sacrificing accessibility or adding to space requirements. Red for closed, green for open. Indicators are also available with continuous percentage or three-way indication.

YH, YO & YE SERIES MODEL NUMBERING

Model Number: _____ Y X X

Configuration: _____

H = (2) LED Proximity Switches

O = (2) LED Proximity Switches

E = (2) Mechanical Switches

Optional:

Port Style: _____
(Leave blank for 2-way Valves)

L = For L Ported 3-way Valves

T = For T Ported 3-way Valves

TEMPERATURE RANGE

-4°F to 176°F

MATERIALS OF CONSTRUCTION

Housing:

Epoxy coated anodized marine grade aluminum.

Cover:

Epoxy coated anodized marine grade aluminum (YH & YE), Lexan® polycarbonate (YO).

Elastomer Seals:

BUNA-N.

Drive Shaft:

Stainless steel, teflon lubricated.

Fasteners:

Stainless steel.

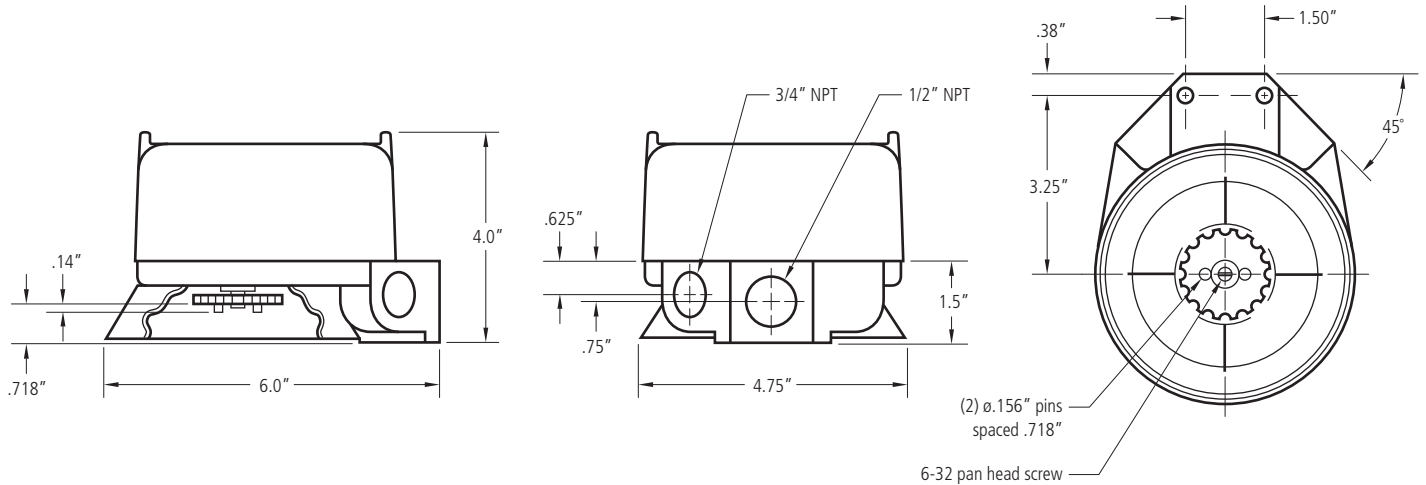
Indicator:

Lexan® polycarbonate.

YH, YO & YE Series

Limit Switth

(Epoxy coated aluminum or Lexan® polycarbonate cover)



YH APPROVALS & RATINGS (ALUMINUM COVER)

- CSA/FM approved.
- Class I Groups* C and D, Div. 1.
- Class I Groups A, B, C and D, Div. 2.
- Class II Groups E, F and G, Div. 1.
- Class II Groups F and G, Div. 2.

YO APPROVALS & RATINGS (LEXAN® COVER)

- CSA/FM approved.
- Class I Groups A, B, C and D, Div. 2.
- Class II Groups F and G, Div. 2.

YE APPROVALS & RATINGS (ALUMINUM COVER)

- CSA/FM approved.
- Class I Groups* C and D, Div. 1 and 2.
- Class II Groups F and G, Div. 1 and 2.

* FM Group B, Div. 1 and 2 approval available.

Some models may not be CSA and FM approved. Please contact factory for details.

MAXX-GUARD PROXIMITY SWITCH FEATURES (YH & YO)

Maxx-Guard hermetically sealed reed switches are suitable for computer input circuits and general purpose applications and have an operating life of 5 million cycles.

Temperature Range:

-4°F to 180°F.

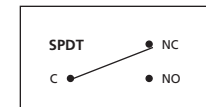
Switch Rating:

0.30 A @ 125 VAC,
0.20 A @ 30 VDC.

Maximum Voltage Drop:

3.5 V @ 10 mA, 6.5 V @ 100 mA.

Wiring Diagram:



SPDT MECHANICAL SWITCH FEATURES (YE)

Low cost single-pole double-throw mechanical switches with silver contacts are recommended for high power 120 VAC applications and have an operating life of 400,000 cycles. Gold contacts may be used in 24 VDC computer input applications and have an operating life of 100,000 cycles.

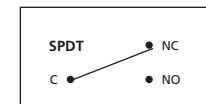
Temperature Range:

-4°F to 180°F.

Switch Rating

(Silver Contacts**):
10 A @ 125/250 VAC,
0.5 A @ 125 VDC.

Wiring Diagram:



** Not recommended for electrical circuits operating at less than 20 mA @ 24 VDC.