



Series 52 Limit Switch Heavy Duty



Introduction

Flow Line Controls has two series of Nema 4, 4X, IP67 limit switches. The Series 52 limit switch has a heavy duty enclosure and provides valve Open & Close indication with a highly visible 3-D indicator and electrical feedback switches. The Series 53 described in the "Series 53 Limit Switch" technical bulletin is a compact economical switch that is ideal for many applications. The Series 52 limit switch features Namur mount, two ½" conduit entries, adjustable 3-D visual indicators and independently adjustable open and close switches. Options include proximity switches, 4-20 mA and 0-10K ohm potentiometer feedbacks.

Features

Aluminum Housing: The rugged cast aluminum housing is polyester coated inside and outside for use in hostile environments. The cover and visual indicator screws are stainless steel to provide an additional margin of corrosion resistance. The cover screws are captive and also have flat washers to prevent damage to the polyester coating. They have phillips slots and hex heads to facilitate installation and removal. The housing has two ½" conduit entries, one for field wiring and the other for connection to optional solenoid valves.

Visual Position Indication: The 3-D indicator is highly visible with red & yellow valve closed & open confirmation. It can be easily adjusted by loosening the retaining screws and rotating the plastic dome.

Push to Set Switch Cams: The cams are splined, spring loaded and independently adjustable without the use of tools. They are also color coded for no-guess adjustments, red – close and green – open.

Terminations: The terminal strip has "tunnel" wire entries to reduce the possibility of stray wires from shorting against one another. Extra terminals are provided for solenoid valve terminations.

Specifications

Housing: Die cast aluminum, polyester powder coated
Hardware: Stainless steel
Shaft: stainless steel, Namur dimensions
Wire Entries: Two ½" threaded female conduit Switches:

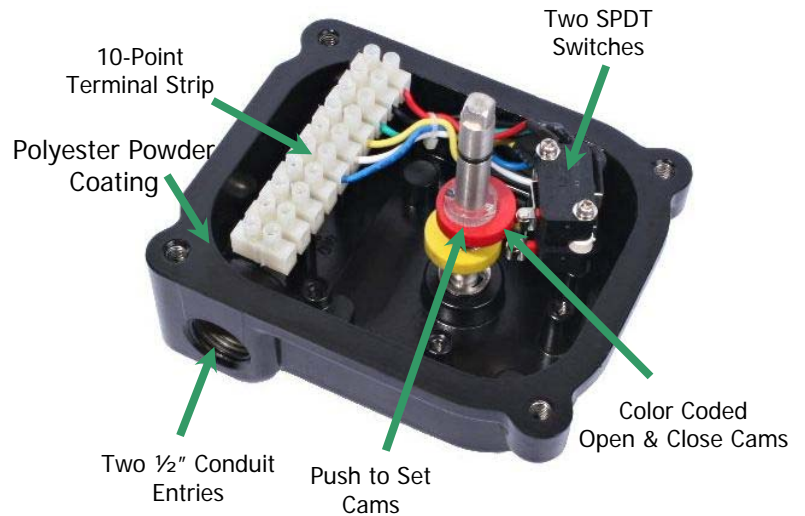
Visual indicator: Polycarbonate
Terminal strip: 10-points
Temperature: -30F to 185F (-20C to 85C)
Switches: Refer to How to Order guide

Flow Line Controls, Inc.

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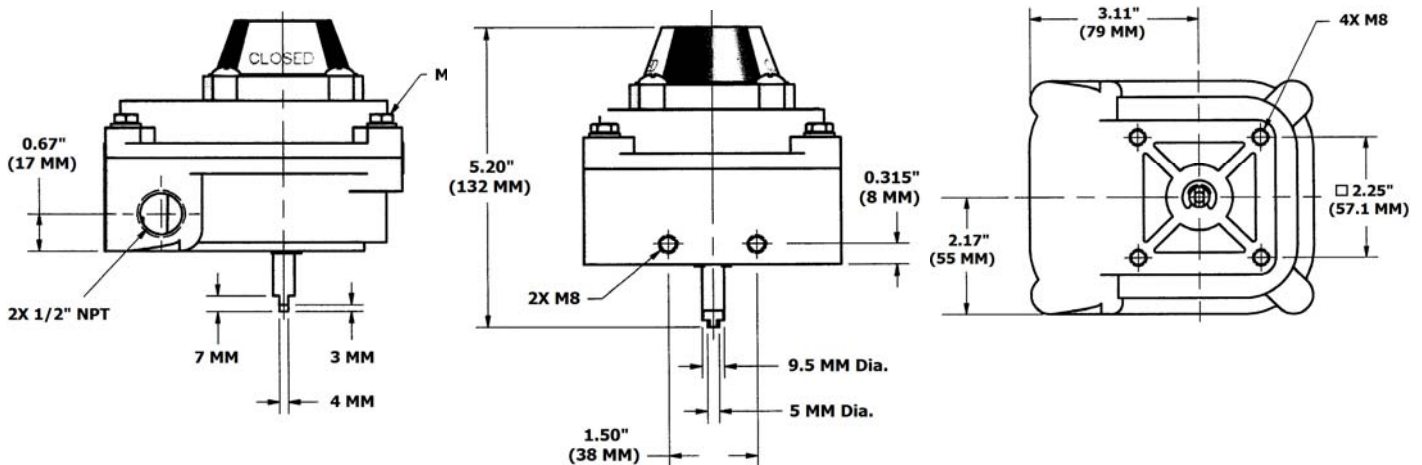
How to Order

PART NUMBER	SERIES	ENCLOSURE	SHAFT	INDICATOR COLORS	SWITCHES	QUANTITY	CONDUIT	INDICATOR
52-2000-12DA22F	52	Polyester coated aluminum	Namur	Red & Yellow, 90 Degree	Mechanical SPDT	Two	Two 1/2" NPT	3-D
52-2000-12DB22F		Nema 4, 4X, IP67			Gold plated SPDT			
52-2000-12DD22F		Reed Prox SPDT						
52-2000-12DE22F		Namur NJ2-V3 2-wire						
52-2000-12DG22F		Mechanical DPDT						
52-2000-12DF22F		4-20mA feedback, 2-SPDT switches						

SWITCH NOTES Mechanical switches: 5A 125-220VAC. Gold Plated switches: 0.1A 125VAC (ideal for Intrinsic Safe applications). Consult factory for additional switch options.

MOUNTING BRACKET PART #	DESCRIPTION	ACTUATOR NAMUR MOUNT	ACTUATOR SHAFT HEIGHT
52-2000-UNIV00P	Universal Namur bracket "Hat Shaped" Polyester coated steel	30MM X 80MM & 130MM	20MM - 50MM
Consult Factory	Namur bracket "L Shaped" Polyester coated steel		

Dimensions



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