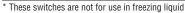
General Purpose ELS –1100 Series Satisfies Most Applications

These polysulfone units are both compact and economical. They feature a variety of mountings, power requirements and electrical terminations to make it easy to find a perfect match for your application.

Specifications

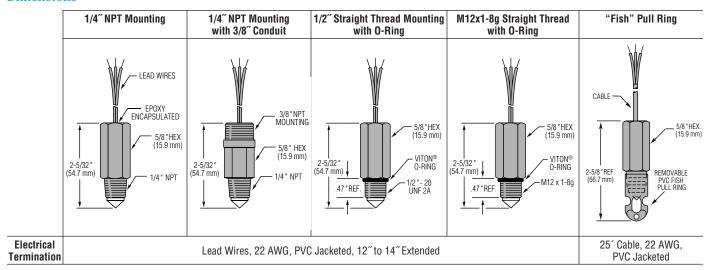
•					
Materials Housing and Prism	Polysulfone or Nylon				
Operating Pressure	0 to 150 PSI, Maximum				
Operating Temperature*	0°F to 176°F (-17.8°C +80°C)				
Current Consumption	18 mA, Approximately				
Output [†]	TTL/CMOS Compatible. Open Collector Output May Sink 40 mA UP TO 30 VDC.				
Repeatability	±1 mm				
EMI Susceptability	Meets (MIL-STD-461B Part 2 Modified) Specification of 10 V/M for Frequency Range 30 to 1000 MHz (Except 609 MHz = 9 V/M and 679 MHz = 7.5 V/M).				



[†] See Page A-33 for Wiring Diagrams



Dimensions



How To Order

Specify Part Number based on Mounting Type, Input Power and Output Condition required.

	Probe Condition at Current SInk	Mounting Type						
Input Power		1/4" NPT	1/4" NPT & 3/8" Conduit		1/2″ Straight Thread	M12x1-8g Straight Thread	"Fish" Pull Ring	
		Polysulfone	Polysulfone	Nylon	Polysulfone	Polysulfone	Polysulfone	
5 VDC	Wet	138167 🗲	144225	175631	144235	166541	_	
10-28 VDC	Wet	142700 🗲	143585 🗲	157750	143580	169555	143577	
	Dry	143570 🗲	143590	175632	143575	169556	148973	

Intrinsically-Safe Versions

GEMS ELS-1100 Switches may be rendered intrinsically-safe for Class I, Division 1, Group C & D when used with appropriate GEMS Zener Barriers. Call Gems Sensors for special ELS-1100-IS (intrinsically-safe) part numbers and Installation Bulletins 148745 and 148744. File No. E44570.

Extended Power and Switching Capabilities of 12 VDC Models with Gems.

Converts TTL output signal to 5 Amp relay output. Available as open circuit board or mounted in a NEMA 4X enclosure (pictured). See Page A-35.

