

# ELS -1100HT Handles Temperatures to 212°F

Slightly larger than the ELS-1100, the "HT" or High Temperature version is made from high performance Isoplast® plastic. While maintaining broad chemical compatibility, these units also handle fluid temperatures to 212°F. They feature 3/8" NPT mountings and the shortest of any of our electro-optic switch bodies—HTS versions are a mere 1/2" long!

## Typical Applications

- Coolant reservoir monitoring
- Medical diagnostic and sterilizer equipment
- Low lubricant warning on machine tools
- Low level warning in food warmers

## Specifications

<b>Materials</b>	
<b>Housing and Prism</b>	Isoplast®
<b>Operating Pressure</b>	0 to 150 PSI, Maximum
<b>Operating Temperature*</b>	-40°F to +212°F (-40°C +100°C)
<b>Current Consumption</b>	45 mA, Approximately
<b>Output</b>	TTL/CMOS Compatible. Transistor Output with 10K Pull Up Resistor May Sink 18 mA. 12 VDC input power units switch a maximum 5 VDC on output
<b>Repeatability</b>	±1 mm

\* These switches are not for use in freezing liquids



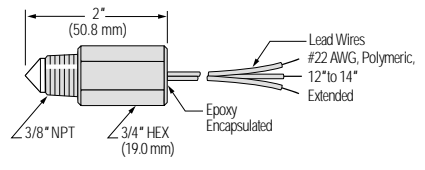
ELS-1100HT



ELS-1100HTS

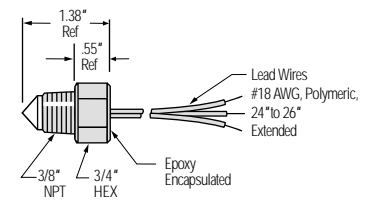
## Dimensions

### HT Series

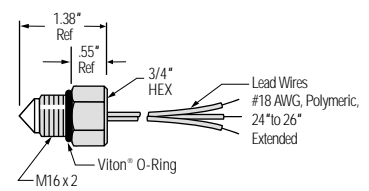


### HTS Series

#### 3/8" NPT Mounting

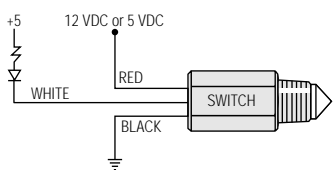


#### M16 x 2 Straight Thread Mounting with O-Ring

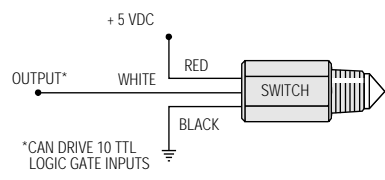


## Wiring Diagrams

### Transistor Output



### TTL Compatible Output



## How To Order

### HT Series

Specify Part Number based on Input and Output Condition required.

Input Power	Probe Condition at Current Sink	
	Wet	Dry
5 VDC	<b>153061</b> ⚡	<b>153062</b>
12 VDC*	<b>153063</b> ⚡	<b>153064</b>

\*12 VDC input power units switch a maximum 5 VDC on output.  
Note: Extend the power and switching capabilities of 10-28 VDC models with Gems Opto-Pak Controllers.  
⚡ - Stock Items.

### HTS Series - 5 VDC Input Only

Specify Part Number based on Wet or Dry switch actuation and mounting type.

Probe Condition at Current Sink	Part Number	
	3/8" NPT	M16x2
Wet	<b>181674</b>	<b>191341</b>
Dry	<b>181675</b>	<b>191342</b>

## Extended Power and Switching Capabilities of 10-28 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 B-8.

