

**Supply Voltage (Vs):** 4.5 - 30 Vdc @ 13 mA  
**Pulse Out (Vo):** 0 - Vs, 0 - 5V (TTL), Open Collector (NPN or PNP)  
**Frequency Range:** 0 to 25 kHz (Std), ≤ 100 kHz (Special order)  
**Air Gap:** 0.16" (4mm) Max.  
**Temp. Ranges:** **2TE:** -40° to 220° F (-40° to 120° C)  
**3TE:** -40° to 290° F (-40° to 145° C)

**1/4**                      **Thread Size:** 1/4-28, 1/4-40, M6x1  
**M6**                      **Length (L):** 0.8" to 3" (20 to 75 mm)

**0165A**  
**0165M (M6)**

**0165K**

**0165**

**0165S**



**3/8**                      **Thread Size:** 3/8-24, M10x1.25  
**M10**                      **Length (L):** 0.8" to 5" (20 to 130 mm)

**0167A**  
**0167M (M6)**

**0167**

**0166**

**0167S**

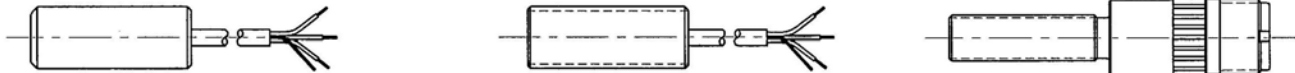


**1/2**                      **Thread Size:** 1/2-20  
**M12**                      **Length (L):** 0.8" to 5" (20 to 130 mm)

**0168S**

**0168A**  
**0168M (M12)**

**0168A**  
**0168MC (M12)**



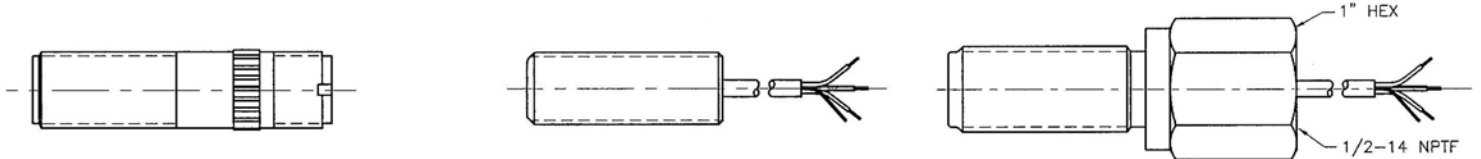
**5/8**                      **Thread Size:** 5/8-18 UNF, M16x1.5  
**M16**                      **Length (L):** 0.8" to 10" (20 to 250 mm)

**Available with Dual Output**

**0169**  
**0169 (M16)**

**0170A**  
**0170MC (M16)**

**0180Y**



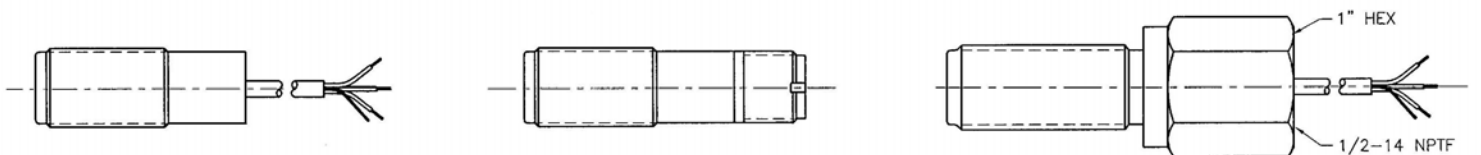
**3/4**                      **Thread Size:** 3/4-16, 3/4-20, M18x1.5  
**M18**                      **Length (L):** 2.1" to 10" (54 to 250 mm)

**Available with Dual Output and an  
 Additional Directional Output**

**0172**

**0171**

**0172Y**



Detailed specification sheets are available for each sensor listed; please contact Spectec for more information.