



TRI-TRONICS®

Smart Sensing Solutions Since 1954

NEW!

SMARTEYE® **SMARTDOT™** **LASER SENSOR**

- Consistent Spot Size
- Repeatable Alignment
- OLED Graphic Display
- 180° Rotating Connector
- NPN and PNP Outputs
- 10-30VDC
- IP 68
- 240 Microseconds Response Time



***We Make
Sensing Easy!***

www.ttco.com/smartdot.aspx



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Specifications



SUPPLY VOLTAGE:

- 10 to 30 VDC
- Polarity Protected
- Note: For use in Class 2 circuits*

CURRENT REQUIREMENTS:

- 35 milliamps max. at 24VD

OUTPUT TRANSISTORS:

- (1) NPN and (1) PNP sensor output transistors
- Outputs sink or source up to 150 milliamps (current limit)
- All outputs are continuously short circuit protected

REMOTE AUTOSET INPUT:

- Selectable:
- NPN Input, Connect to 0VDC
 - PNP Input, Connect to 10-30VDC

RESPONSE TIME:

- Light state response = 240 microseconds
- Dark state response = 240 microseconds

LASER LIGHT EXPECTANTCY:

- 50,000 hours @ 25°C

LIGHT SOURCE:

- Red Laser: Class 1 or II
- EN 60825-1 (2003)

SPOT SIZE:

- Short Range: .032" X .020" @ 6"
- Long Range: .032" X .020" @ 18"
- Retroreflective: .075" X .032" @ 5'

PUSHBUTTON CONTROL:

- Two push buttons

AMBIENT TEMPERATURE:

- -40°C to 70°C (-40°F to 158°F)

RUGGED CONSTRUCTION:

- Chemical resistant high impact thermoplastic housing
- Waterproof rating: IP68
- Conforms to heavy industry grade CE requirements
- RoHS Compliant

DIMENSIONS:

- Width: 2.037in (51.73mm)
- Height: 2.005in (50.9mm)
- Depth: .812in (20.6mm)

SENSING RANGE:

- Short Range Proximity: 6"
- Long Range Proximity: 18"
- Retroreflective: 5'



RoHS Compliant
Product subject to change without notice.

SMARTEYE® SMARTDot™

Connections and Dimensions

