## **Specifications**

## **Supply Voltage**

- 10 to 30 VDC
- Polarity Protected

## **Current Requirements**

<25mA</li>

### **Output Transistors\*** (CURRENT LIMITED)

- NPN: Sink up to 100mA
- PNP: Source up to 100mA
- · All outputs are continuously short-circuit protected

## Response Time\*

- Light State response = 200 μs
- Dark State response = 200 us
- Switching Frequency = 2.5kHz

## Laser Light Source\*\*

- Red = 650 nm
- Protection Class I
- Pulse Modulated, pulse width = 5 μs
- Spot size = 3mm @ 3m

## **Excess Gain Adjustment\***

Sensitivity controlled by a screwdriver adjustment to prevent tampering

## Light/Dark "ON" Operation\*

- Light "ON" achieved by connecting white wire to negative lead
- Dark "ON" achieved by connecting white wire to positive lead

## Range\*

• <60m

## Hysteresis\*

Approximately 7% of signal

#### **Light Immunity\***

 Responds to light sources'pulse-modulated light source, resulting in high immunity to most ambient light, including high intensity strobes.

## **Diagnostic Indicators**

- Red LED\* = Output Status
- Green LED = Power "ON"
- Yellow LED\*\* = Laser Enabled

#### **Ambient Temperature**

- -15° C to 50° C (5° F to 122° F)\*
- -10° C to 50° C (14° F to 122° F)\*\*

#### **Rugged Construction**

- Chemical resistant, high impact polycarbonate housing
- PMMA optics
- Waterproof ratings: NEMA 4X, IP66

Product subject to change without notice

- \* Applies to Laser Receivers Only
- \*\* Applies to Laser Light Sources Only

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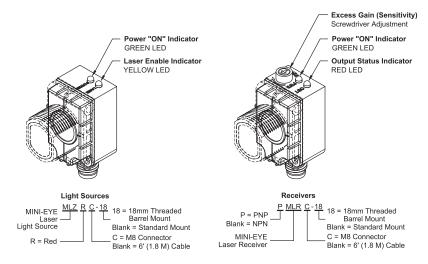
# 070-0172 Rev 2

RoHS Compliant

# **MINI-EYE™LASER**



The Tri-Tronics' MINI-EYE™ laser light sources and receivers are designed to be low in cost and high in value. They are **waterproof** and are enclosed in a **high-impact** plastic housing. The laser receivers are equipped with an excess gain (sensitivity) screwdriver adjustment. The screwdriver adjustment provides additional security to prevent tampering.



#### Features & Benefits:

- Excess gain (sensitivity) controlled by a screwdirver adjustment to prevent tampering
- Ultra long range
- · Precision edge detection
- High speed 200 μs
- · Light "ON" or dark "ON" selectable by wire
- · Laser enable selectable by wire
- Narrow light beam
- Laser emission Class I
- Waterproof with high impact plastic housing
- Potted 6' cable or M8 4-pin connector
- Power supply requirements: 10 to 30 VDC

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