CLS-2 Instruction Manual

Features and Options:

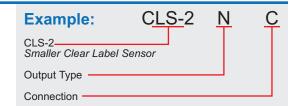
- · One button AUTOSET (Gap Set)
- · Adjustable Threshold
- Cable and Connector (M12 & M8) Versions
- Removable Stainless Steel Gap Plate
- Durable and Robust Anodized Aluminum Housing
- · Bottom or side mounting configurations



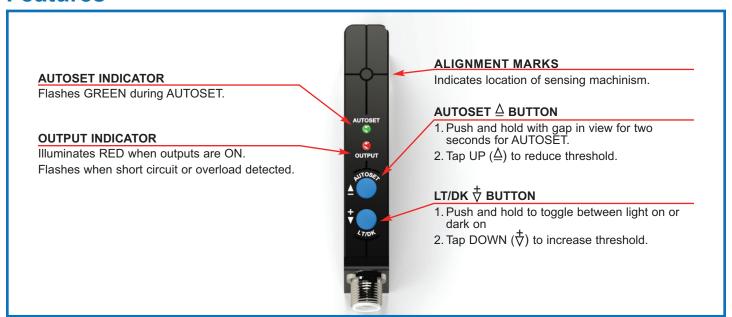
How To Specify

- 1.Select Sensor: CLS-2
 Smaller Clear Label Sensor
- 2. Select Output Type
 N = NPN
 P = PNP
 L = NPN/PNP
- 3. Select Connection Type:

Blank = 4-wire 6.5ft cable (2.0m) C = 4-pin M12 connector M8 = 4-pin M8 connector



Features



Quick Start

Simple Setup Start \Longrightarrow Put the Gap in view, press and hold the AUTOSET. This will result in a perfect setup 99% of the time. If you have any false triggers, tap UP (\triangleq) to reduce threshold, or tap DOWN ($\stackrel{\leftarrow}{\nabla}$) to increase threshold.

Specifications

SUPPLY VOLTAGE

- 12 to 30Vdc
- Polarity Protected Note: For use in Class 2 Circuits

CURRENT REQUIREMENTS

• 70mA @ 12Vdc, 35mA @ 30Vdc

DIGITAL OUTPUTS

- (1) NPN and/or (1) PNP (depending on model) open collector output 150mA Max; <2V Residual Voltage
- All outputs are continuously short circuit protected

REMOTE AUTOSET INPUT

 Active high (PNP) or active low (NPN), depending on model (1mA) Note: Input not available on "L" models

DIAGNOSTIC INDICATORS

- Green LED AUTOSET Indicator-Illuminates when sensor is powered "ON"; flashes upon AUTOSET adjustment
- Red LED Output Indicator
 — Illuminates
 when the sensor's output transistors are
 "ON".

Note: If output LED flashes on power up, a short circuit condition exists.

PUSH BUTTON CONTROL

- Two (2) push button controls
- AUTÒŚĖT (for Gap AUTOSET)
- LT/DK (toggles between light on or dark on)
- · Manual threshold adjustment

HYSTERESIS

· Dynamic - adjusted by AUTOSET

RESPONSE TIME

225µs

REPEATABILITY

75µs

AMBIENT TEMPERATURE

• 4°C to 50°C (39°F to 122°F)

RUGGED CONSTRUCTION

- Chemical resistant, high impact Aluminum housing
- Conforms to heavy industry grade CE requirements
- Waterproof ratings: IP65*
 - *Presence of water on transducers will prevent sensor from functioning. Full functionality will be restored once transducers are dry.



CONNECTIONS

- 4-Wire 6.5ft cable (2.0m)
- 4-Pin M12
- 4-Pin M8 connector

RoHS Compliant Product subject to change without notice

Connections and Dimensions

CLS-2 Smaller Clear Label Sensor

