CAC-3502RT

ANTI-COLLISION LASER DISTANCE SENSOR



CAC	-	350	-	2	-	R	-	T

Product family	Detection distance	Relay count	Output type	Connection type
Anti-collision sensor	200: 200 cm 350: 350 cm	1 2	R: Relay P: PNP N: NPN	T: Terminal C: Cable

Laser distance sensing. Independent relay control.

3.5 m
Detection distance

2 relays
Independent distance settings

0.96 inch
OLED display

Overview

The CAC-3502RT is a diffuse-reflective laser distance sensor for anti-collision applications. It provides a detection distance of 3.5 metres. The distance thresholds of its two independent relays can be adjusted separately. A visible red laser spot on the target simplifies sensor alignment.

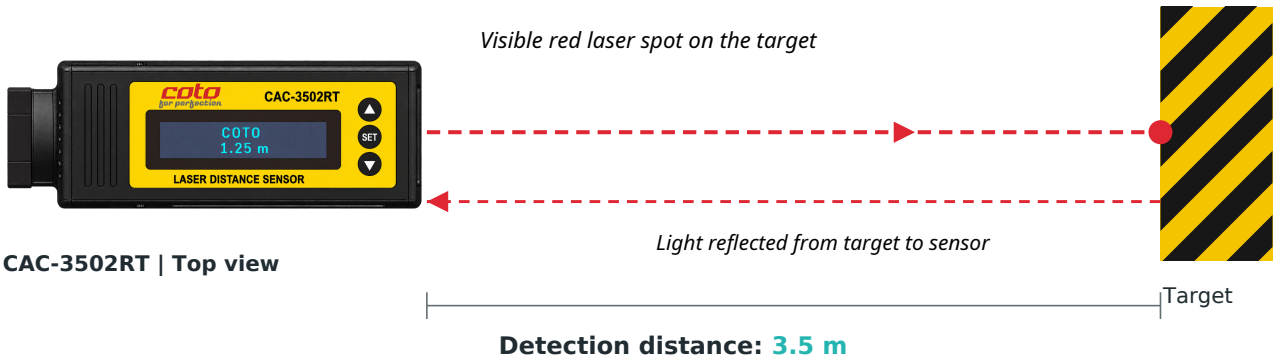
Key Features

- Two independent relays with adjustable thresholds
- Diffuse-reflective laser sensing
- Visible red laser spot on the target
- 24-250 V AC/DC power supply
- 0.96 inch OLED display
- IP65 protection and terminal connection

- Stable detection independent of ambient light: Maintains stable operation during transitions between bright and dark environments.
- Distance detection independent of surface colour: Provides stable and consistent distance detection regardless of the target surface colour.

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Operating Principle



CAC-3502RT | Top view

Detection distance: 3.5 m

R1 Independently adjustable distance threshold.

R2 Independently adjustable distance threshold.

The sensor detects laser light reflected from the target using a receiver in the same housing (diffuse-reflective sensing). Both relay thresholds are adjusted to suit the application. The relay outputs perform the functions assigned in the machine control circuit.

Technical Specifications

Product code	CAC-3502RT
Product type	Anti-collision / distance sensor
Sensing principle	Diffuse-reflective laser
Detection distance	3.5 m
Distance setting	Adjustable
Relay outputs	2 independent, individually adjustable relays
Target indicator	Visible red spot on the target
Supply voltage	24-250 V AC/DC
Display	0.96 inch OLED
Dimensions	60 × 20 mm
Protection rating	IP65
Connection	Terminal connection

Diagram illustrates the sensing principle; not to scale.

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