# CTL-SW

Infrared Proximity Switch

PanelPilot

- 0-10cm detection range
- Red / green status light
- 12VDC supply
- 15mA standby current
- 25mA active current

Standby

Active

The CTL-SW is a touchless infrared proximity switch, which sits inside a Ø22mm natural anodised aluminium shell. Easily activated without contact, this proximity sensor has a detection distance range from 0 to 10cm. The CTL-SW has an on board LED showing red when in standby mode and green when it is active. Active time is a duration of 10 seconds.

SPECIFICATIONS

UKCA CE ⌀
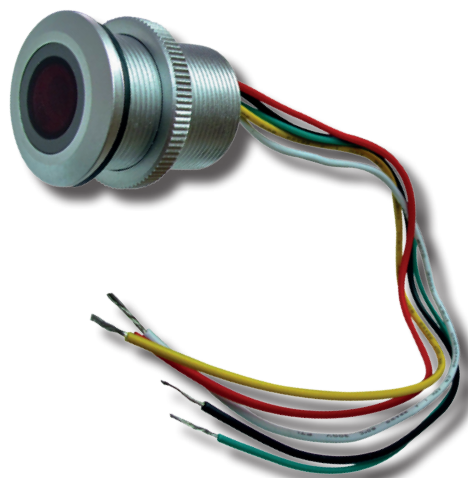
Sensor type	Infrared
Panel cut out diameter	22-23mm
Detection range	0-10cm
Required electrical supply	9.6V to 24V
Operating current	15mA (standby) 25mA (active)
Relay contact rating	1A 125VAC/2A 30VDC
Contact resistance	100 mOhm
LED colour	Red (standby) Green (active)
Ingress (IP) rating	IP67
Impact (IK) Rating	IK10
Operating temperature	-30°C to +70°C
Minimum number of operations	1,000,000
Body material	Aluminium alloy
Lens material	Polycarbonate
Length of wires provided	175mm

FOUR MODELS IN THE RANGE

- **CTL-SW-MC (Normally Closed)** — Momentary Touchless Infrared Proximity Switch
- **CTL-SW-MO (Normally Open)** — Momentary Touchless Infrared Proximity Switch
- **CTL-SW-LC (Normally Closed)** — Latching Touchless Infrared Proximity Switch
- **CTL-SW-LO (Normally Open)** — Latching Touchless Infrared Proximity Switch

CTL-SW

Infrared Proximity Switch
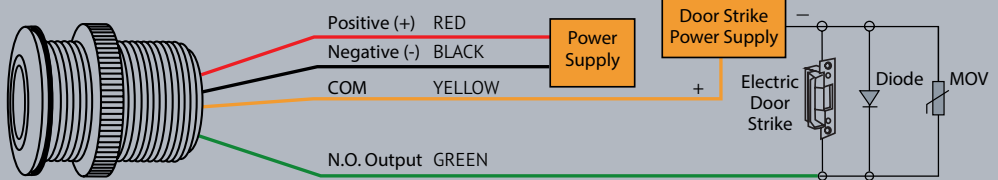
EXAMPLE WIRING DIAGRAM

Wiring

Red: 9.6V to 24V   **Black:** Ground   **Yellow:** Common   **White:** Normally Closed   **Green:** Normally Open
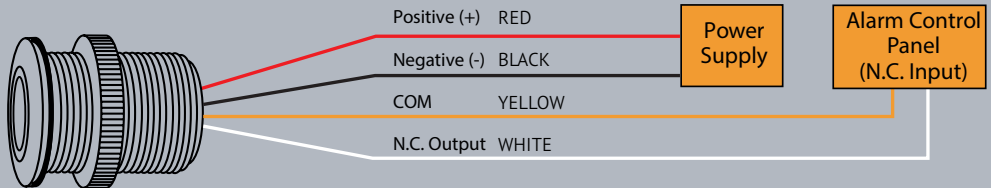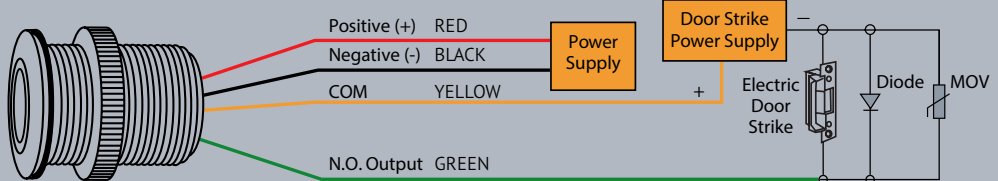
Normally Closed (Part Number: CTL-SW-MC)
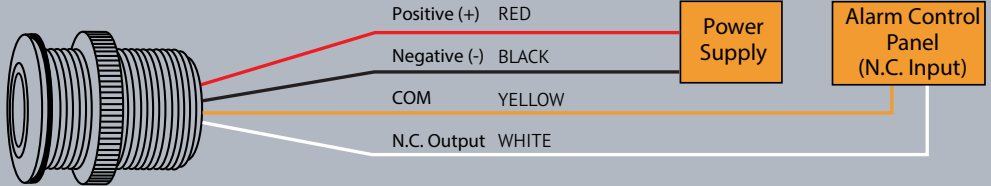
Positive (+) RED

Negative (-) BLACK

COM YELLOW

N.C. Output WHITE

Power Supply

Alarm Control Panel (N.C. Input)

Normally Open (Part Number: CTL-SW-MO)

Positive (+) RED

Negative (-) BLACK

COM YELLOW

N.O. Output GREEN

Power Supply

Door Strike Power Supply

− +

Electric Door Strike

Diode

MOV

Normally Closed (Part Number: CTL-SW-LC)

Positive (+) RED

Negative (-) BLACK

COM YELLOW

N.C. Output WHITE

Power Supply

Alarm Control Panel (N.C. Input)

Normally Open (Part Number: CTL-SW-LO)

Positive (+) RED

Negative (-) BLACK

COM YELLOW

N.O. Output GREEN

Power Supply

Door Strike Power Supply

− +

Electric Door Strike

Diode

MOV

Compatible with the PanelPilot range of displays

OPEN Room 1

CLOSED Room 2

OPEN Room 3