Salvo Door Sensor
User Guide

The Salvo Door Sensor is designed for use with all doors, when door down confirmation signal is available from door control panel. Where door down confirmation signal is not available from door control panel, a dual redundant system is met by using Salvo Door Sensor plus an additional Salvo sensor. The Salvo Door Sensor should be mounted in accordance with these instructions, and as close to the door frame as possible, to prevent accidental damage.

Specifications

Product Type	Sensor with GP560 Reed Switch
Contact Form / Style	Normally Open
Switching Capacity	10 VA
Operating Voltage	24V DC
Switching Voltage	100V DC Max 150V AC Max
Switching Current	1A Max
Carry Current	1.5A Max
Breakdown Voltage (typ)	300V DC Min
Contact Resistance (typ)	<300mΩ Max
Switching Distance	5 - 30 mm
Operating Temp °C	-25°C +50°C
Storage Temp °C	-25°C +50°C
Cable	Up to 1 mm²
Magnetic Sensitivity	> 0.5mT
Case Material	Cast Aluminium
IP	• IP Rating: IP67 • IK Rating: IK07
Switching Time	0.1 to 0.5 ms
MTTF (reliability)	Up to 1 Million Cycles
RoHS Compliant	Directive (EU) 2015/863
Dimensions	Sensor Contact 3mm x 40mm x 14mm Magnet 2mm x 60mm x 35mm
Standards	• EN50131-1:2006 • EN50131-2-6:2008 Grade 2 • Environmental class III. • PD6662:2017

Precautions

⚠️ Installation should be carried out by a competent and qualified person who has read and understood these instructions. Do not use this product as a safety or emergency stop device, or in any other application where failure of the product could result in personal injury. Handle with Care. Beware of Pinch points where the two halves align.
Castell Safety recommends that this switch is wired in series with the door down limit switch. Where this is not possible two switches should be used (see Installation Wiring Diagram – IMS08992).

Maintenance

Sensors should be checked every 6 months to ensure they function correctly and that all fixing screws remain tight. Site should carry out regular safety checks on the Salvo system to ensure key cannot be released from control panel when door is open.

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Installation

1. Isolate power to the SCP.

2. Remove 10 screws on front cover of SCP to access the PCB on the inside of the enclosure ensuring screws are retained to close the unit at the end of installation.

3. Remove wires connected to CONN 2 terminals 1 and 2 within the PCB.

4. Out of the 6 white cables on the Salvo Door Sensor, crimp the cable with Yellow and Black and cut the rest (Ensure the wires are secured to avoid short circuit).

5. Connect the crimped cables to CONN 2 Terminals 1 and 2 of the PCB. **Please note, these contacts are unidirectional, and it won't matter what side is wired to what terminal.**

6. Ensure reed side of the sensor is installed in line with the magnet side of the sensor.

7. Ensure the connection is securely tightened on the flooring (tested for both metal and concrete plinths).

8. Securely fasten 10 screws using suitable tool torqued @ 1.2Nm.

9. Provide power to the SCP and test the system for functionality.

The sensor is unidirectional so any of its contacts can be wired on either terminal.

Order Information

Please advise part number when ordering.
(mandatory information)**

Part Number**

| KIT-RSL-DOOR |