

The Clean Switch is a Non Touch switch ideal for automatic door activation or clean room access control where hygiene is of the utmost importance. May be used in many other building applications where reliability and modern design is important.

Functional data:

- Elegant non contact switch
- Utilizes differential active infrared technology, which makes detection range not dependent on the optical parameters of an object.
- Switch activation possible with gloved hand
- Extreme electromagnetic and infrared noise resistance. DSP (Digital Signal Processing) algorithms used to filter signal from receivers significantly increased resistance to electromagnetic interference.
- Well suited for clean room/sterile areas access, for disabled activation of automatic doors or for equipment control in the pharmaceutical or chemical industry.
- May be used in many other building applications, where modern design and reliability is important.
- Possibility to use several sensors in close proximity
- Adjustable detection field of between 10 to 25 cm
- White LED backlight/indicator during standby and detection mode making the sensor more visible to users. It is so bright it can illuminate a close proximity at night.
- Acoustic signal during detection (volume control possible)
- Reliable, noiseless, galvanically isolated (floating) transistor output
- Many switch modes: monostable (time hold adjustment), bistable, bistable with memory during power off, bistable with timeout.
- May be sealed with silicon sealant to increase water resistant.

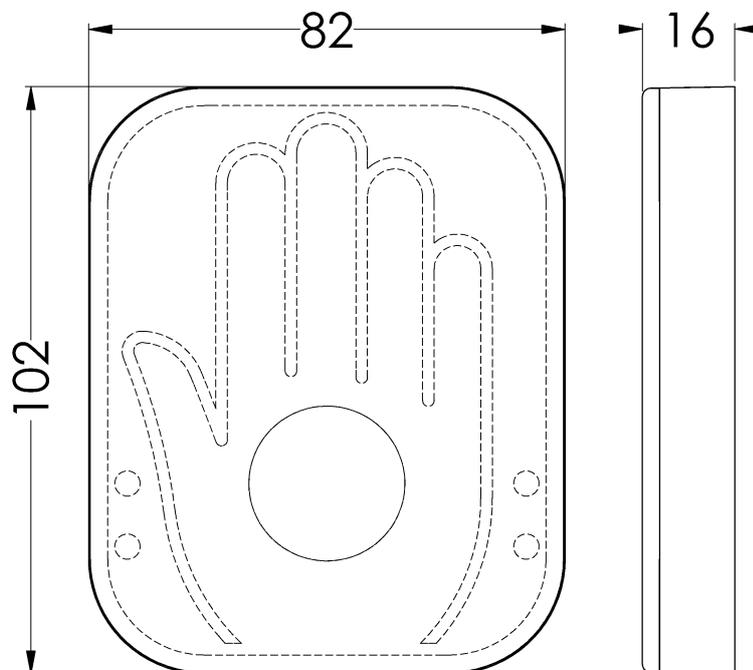


Installation instructions:

- **SCREW IN** a small screw on the bottom part of the case (4 full rotations) using 1.5mm hexagonal key. Pull a bottom part of the front panel (about 1cm) toward you and then pull it down.
- Ensure your power source (for example the door controller) is turned off.
- Make a hole for wires in the back part of the cover.
- Fix the case to the wall using two screws. You can use silicon sealant between back part of a case and the wall to increase water resistant.
- Connect input wires from your controller to OC+ and OE- output of the Clean Switch. Clean Switch has an optoisolated (floating) transistor output (OC: open collector, OE: open emitter). OC+ has to have a higher potential relative to OE-.
- Connect power wires from your controller to power inputs (GND, DC+) of the Clean Switch. You can use 12..35V DC.
- Connect additional wire to STN connector and lay it together with power wires. It will help you to configure Clean Switch without opening of the case especially convenient when the case will be sealed.
- Turn on power source and test Clean Switch.
- Place wires inside the case. Repeat point 1 backward to close the case. You can use silicon sealant between the panel and the case (on the edge) to increase water resistant.

Technical data:

Detection method	Differential Active Infrared	
Range	10..25cm (programmable)	
Power supply	12-35VDC \pm 10%	
Power consumption	<1W (average 0,5W)	
Response time	100ms	
Output	NPN transistor 35V DC, 50mA galvanically isolated (floating)	
Ambient temperature	-25C do +55C	
IP rating	IP50 – no sealant IP64 – with silicon sealant	
Weight	100g net, 120g gross	
Kit contents	ST-CS1-01 switch	1pcs
	Installation instructions	1pcs

**Guarantee:**

Senstronix Company guarantees ST-BP5 from all manufacturing defects for a period of one year after the date of installation. Unless Senstronix is notified of the date of installation, the warranty will be in effect for 1 year from the date of shipment from our factory. After post-guarantee period all the products purchased from Senstronix Company are repaired at a minimal service charge.



RoHS

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