



SmartSense™ touchless push button sign upgrade kit

Part Numbers: LGS-PBA-SMART v1-1

Description: Supplemental touchless push button sign activation kit for LGS-PBA and other manufacturer PBA stations

Application Notes:

The SmartSense™ touchless push button sign upgrade kit uses IR technology to activate a crosswalk PED-walk cycle or LGS lighted crosswalk with the simple wave of a hand. Since it is touchless, it helps reduce the risk of exposure to contact viruses by decreasing potential cross-contamination. SmartSense™ is ideal for use with any LightGuard Systems (LGS) in-roadway warning light, RRFB, or LED border-enhanced warning sign system. It also can be used as an adjunct activation method along with most other manufacturer PBA stations at public crosswalks and controlled intersections.

The SmartSense™ touchless crosswalk activation sign mechanism mounts in a compatible push button station or to a pole near existing push button devices. When pedestrians reach out to press the button, the proximity sensor detects the pedestrian's action and engages the touchless mechanism to the call signal, and then to the crosswalk controller before pedestrian contact with the button/switch. This kit supplements the LGS-PBA manual push button.

The LGS-PBA-SMART is a short range infrared proximity sensor that connects in parallel with existing pedestrian detector push button mechanisms via a relay to send a call signal to a crosswalk controller.

General Performance Specifications

Model	LGS-PBA-SMART
Description	Upgrade kit for touchless activation as supplement to existing push button
Warranty	1 Year limited warranty
Power	0.5W standby, 1W activated
Signage	2 color White Background, Black text/symbol Available with LEFT arrow or RIGHT arrow or both LEFT/RIGHT arrow
Output Momentary Relay Rating	30 VDC 3A; 250VAC 3A
Activation indication	Visual: LED color change + Audible: tone
Operating Temp	-5° C to 55° C
Operating Voltage	Vin+/Vin- 16-40 VDC, 16-28 VAC Adaptor kit - AC: available for nominal 110 VAC operation
NEMA rating	3R (equivalent)
Size	7.75" tall x 5.0" wide x 1.5" depth
Sensor type	IR
Detection range	5 inches max
Weight	2 lbs.
Material	HDPE housing, Aluminum Sign
Mounting	Tamper resistant hardware to fit existing 5x7.75 push button station Adaptor Kit – Pole Mount: available bracket fitting 2" to 12" diameter poles

Features/Benefits:

- Activation proximity range: maximum 5 inches
- No contact needed to activate
- Simple electrical connections
- Nominal 24V operation
- IR technology
- Retrofittable sign into compatible push button stations
- Adaptor kit available for pole mount near existing push button station
- Adaptor kit available for 110 VAC operation

