

WB25B, WB30B & WB55B Touch-Free Wave Switches

INSTALLATION INSTRUCTIONS

ACCESSORIES AND PARTS INCLUDED

- (1) WB25B/WB30B/WB55B
- (1) Parts bag (Contents: #6-32 X 1/2" flat head phillips ss screws, #10 X 1" pan head self-tapping phillips ss screws, twist-on wire connectors, allen key)
- (1) User/Installation Manual
- (1) Mounting Box 25B/30B/55B



1. DESCRIPTION

Touch-Free Switch series (WB55B, WB30B, WB25B) helps prevent the spread of germs by enabling contactless activation, offering superior performance and reliable operation in demanding environments.

Designed for both interior and exterior installations, these switches are ideal for automatic doors and access control systems.

Touch-Free Switches feature quick and simple installation, and are built for long-term durability in high-traffic locations.

WB55B, WB30B & WB255B Series switches are Available in a wide range of models with narrow, single-gang and double-gang stainless steel faceplates to suit various applications.

2. SPECIFICATION

Voltage	12 to 24 VDC +/- 12%
Current	50 mA (peak)
Contact Rating	3 A @ DC 30V
Contacts	Common/ N.O./ N.C.
Temperature Range	14F to 122F (-10 to 50 °C)
Response Time	≤10ms

Dimensions

Narrow:

1 3/4" W x 4 1/2" H x 63/64" D
(44 mm x 114 mm x 25 mm)

Single Gang:

2 3/4" W x 4 1/2" H x 63/64" D
(70 mm x 114 mm x 25 mm)

Double Gang:

4 1/2" W x 4 1/2" H x 63/64" D
(114 mm x 114 mm x 25 mm)

3. FEATURES

- Adjustable sensor detection range from 4" to 5" (10 to 13cm)
- Wide voltage input range: auto-adapts to 12/24V DC ± 12%
- LED ring in default blue, switches to green upon activation
- IP65-rated weather resistance
- Narrow, single-gang and double-gang stainless steel faceplates available
- Durable laser-etched graphics, resistant to wear and cleaning chemicals
- (1) Form 'C' contact rated 3A @ DC 30V

4. OVERVIEW OF OPERATION

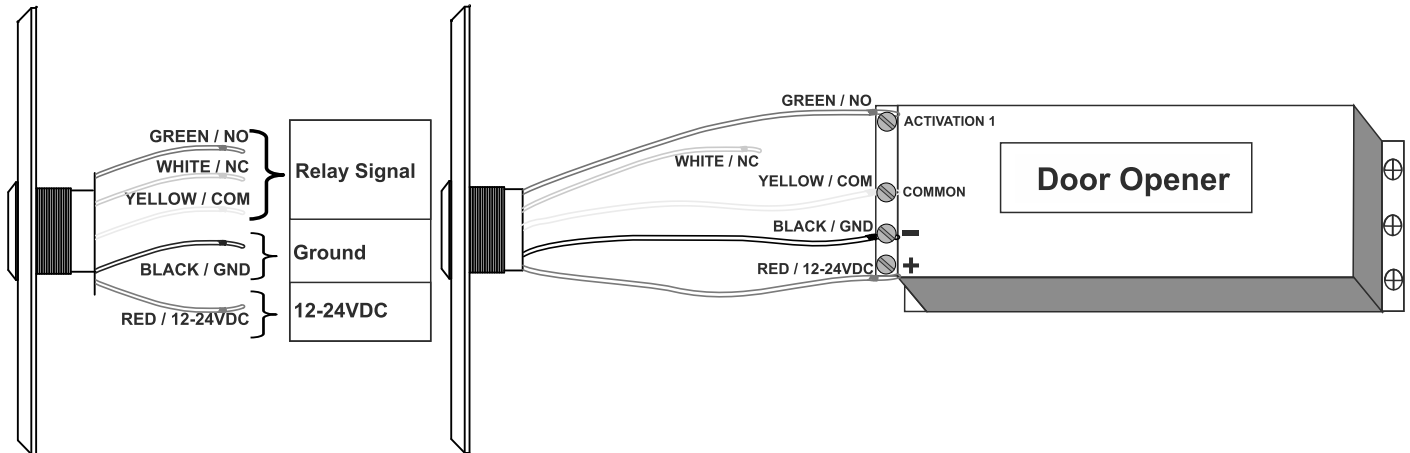
In a typical application, as you approach the WB25B/WB30B/WB55B, the LED will be blue. When you wave your hand in front, it will change the LED to green, and trigger its relay to change state and unlock your door, or trigger the door operator to open the door.

The toggle feature can be used to trigger the door to remain in the unlocked position, until you wave your hand a second time to relock it.

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5. WIRING DIAGRAM



SURFACE MOUNTING BOX

Mounting Box 25B

- Flame-retardant
- Impact-resistant ABS polymer
- 46.5 X 117.4 X 44.3 mm



Mounting Box 30B

- Flame-retardant
- Impact-resistant ABS polymer
- 117.4 X 73 X 44.3 mm

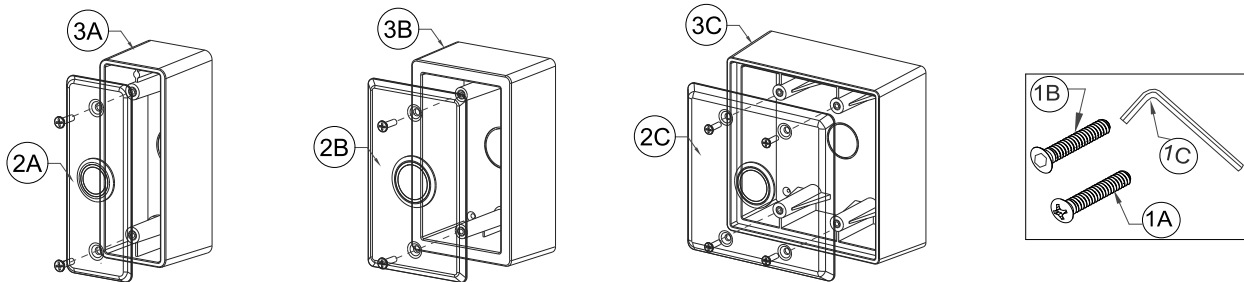


Mounting Box 55B

- Flame-retardant
- Impact-resistant ABS polymer
- 127.5 X 127.5 X 50.53mm



6. INSTALLATION DIAGRAM



ACCESSORIES AND PARTS INCLUDED

ITEM NUMBER	PART NUMBER	DESCRIPTION
1.	A	Pan Head Self-Tapping Screws #10 X 1" PAN HEAD SELF-TAPPING PHILIPS SS SCREWS
	B	Flat Head Hex Socket Screws #6-32 X 1/2" FLAT HEAD HEX SOCKET SS SCREWS
	C	Allen Key 7/64" ALLEN KEY
2.	A	WB25B NARROW STAINLESS-STEEL FACEPLATE WITH TOUCH-FREE SENSOR SWITCH (BLUE/GREEN)
	B	WB30B SINGLE GANG STAINLESS-STEEL FACEPLATE WITH TOUCH-FREE SENSOR SWITCH (BLUE/GREEN)
	C	WB55B DOUBLE GANG STAINLESS-STEEL FACEPLATE WITH TOUCH-FREE SENSOR SWITCH (BLUE/GREEN)
3.	A	25B NARROW STAINLESS-STEEL FACEPLATE MOUNTING BOX (46.5 X 117.4 X 44.3 mm)
	B	30B SINGLE GANG STAINLESS-STEEL FACEPLATE MOUNTING BOX (117.4 X 73 X 44.3 mm)
	C	55B DOUBLE GANG STAINLESS-STEEL FACEPLATE MOUNTING BOX (127.5 X 127.5 X 50.53mm)