

Waterproof No Touch Infrared Sensor Switch



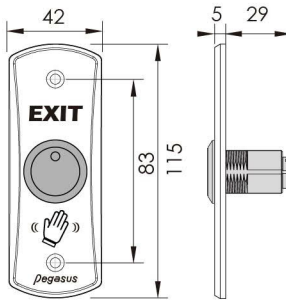
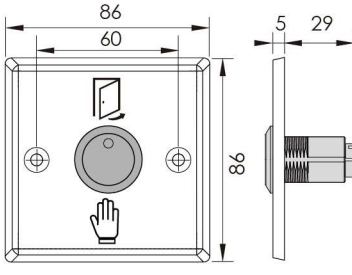
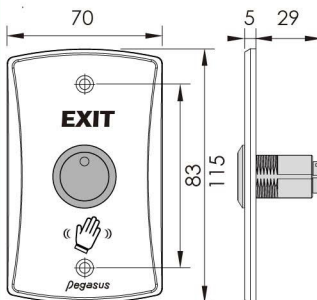
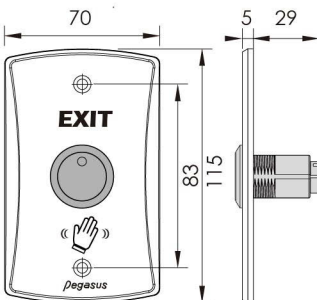
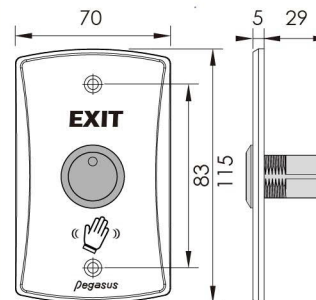
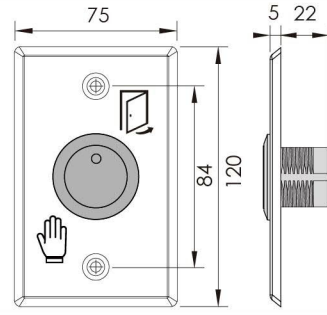
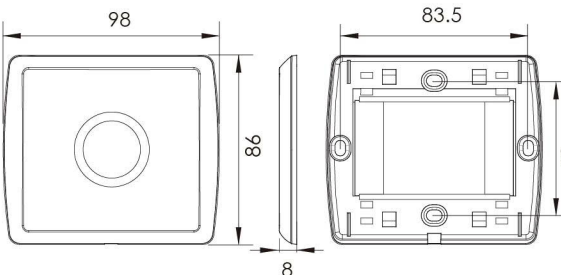
Features

- ◆ Built-in micro controller for decoding infrared signal to avoid interference from the noise.
- ◆ With bi-color status LED.
- ◆ Adjustable proximity range, depending on the reflection rate of different object.
- ◆ Support adjustable opening time or latched ON or OFF output.
- ◆ With N.C. and N.O. output.



Specifications

Appearance									
Dimension mm[inch]									
Model No.	PBZ-22IRS	PBZ-22IR	PBT-22IRSV	PBT-22IRV	PBT-22IRE	PBT-22IRSC	PBT-22IRC	PBT-30IRV	PBT-38IR
Power supply	DC 10~24V		DC 10~24V		DC 10~24V	DC / AC 10~24V		DC 10~24V	DC 10~24V
Current(±5%)	Standby	34mA@10VDC / 21mA@24VDC	20mA@10VDC / 13mA@24VDC	13mA@10VDC / 9mA@24VDC	19mA@10VDC, 12mA@24VDC / 34mA@10VAC, 26mA@24VAC	20mA@10VDC / 13mA@24VDC	34mA@10VDC / 21mA@24VDC	55mA@10VDC / 33mA@24VDC	55mA@10VDC / 33mA@24VDC
	Work	55mA@10VDC / 33mA@24VDC	47mA@10VDC / 28mA@24VDC	55mA@10VDC / 34mA@24VDC	45mA@10VDC, 26mA@24VDC / 74mA@10VAC, 51mA@24VAC	42mA@10VDC / 26mA@24VDC	55mA@10VDC / 33mA@24VDC		
LED	Power on: Red, Proximity: Blue(Optional: Blue / Green)								
Adjustable opening time	0.5~20 Sec. / Latched ON or OFF output.				1~12 Sec.	0.5~20 Sec. / Latched ON or OFF output.			
Waterproof	IP65								IP54
Relay contact rating	1A@30VDC, 0.3A@125VAC							1A@30VDC, 0.3A@60VDC, 0.5A@125VAC	
Proximity range	0.5~10cm	3~15cm	0.5~10cm	3~15cm	4~15cm	0.5~10cm	3~15cm	3~15cm	3~10cm
	Depending on the reflection rate of different object and different voltage								
Material	Metal		Polycarbonate fire & UV proof material						Metal+Polycarbonate fire & UV proof material
Life	Electrical: Min. 100,000 operations at 1A 30VDC (at 0.5Hz) Min. 100,000 operations at 0.3A 125VAC (at 0.5Hz)				Mechanical: Min. 50,000,000 operations			Electrical: Min. 100,000 operations (at 1200 operations / hr) Mechanical: Min. 10,000,000 operations (at 1800 operations / hr)	

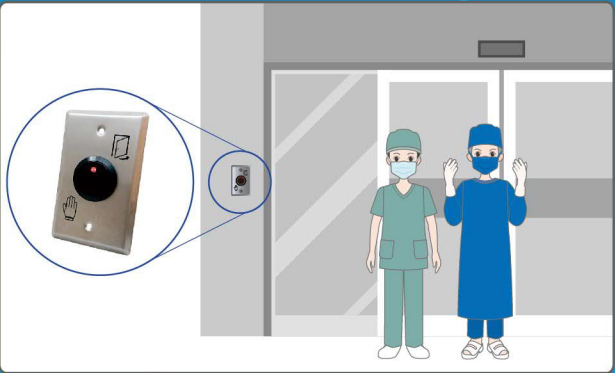
Appearance									
Dimension mm[inch]									
Model No.		PBT-07IRAV	PBT-286IRAV	PBT-09IRAV	PBT-09IRAE	PBT-09IRAC	PBT-211IRBV	PBT-186IRC	
Power supply		DC 10~24V			DC 10~24V	DC / AC 10~24V	DC 10~24V	DC / AC 10~24V	
Current(±5%)	Standby	20mA@10VDC / 13mA@24VDC			13mA@10VDC / 9mA@24VDC	19mA@10VDC, 12mA@24VDC 34mA@10VAC, 26mA@24VAC	20mA@10VDC / 13mA@24VDC	34mA@10VDC, 21mA@24VDC 66mA@10VAC, 40mA@24VAC	
	Work	47mA@10VDC / 28mA@24VDC			55mA@10VDC / 34mA@24VDC	45mA@10VDC, 26mA@24VDC 74mA@10VAC, 51mA@24VAC	42mA@10VDC / 26mA@24VDC	145mA@10VDC, 65mA@24VDC 177mA@10VAC, 110mA@24VAC	
LED		Power on: Red, Proximity: Blue(Optional: Blue / Green)							Power on: Green, Proximity: Blue
Adjustable opening time		0.5~20 Sec. / Latched ON or OFF output.			1~12 Sec.	0.5~20 Sec. / Latched ON or OFF output.		0.5~15 Sec. / Latched ON or OFF output.	
Waterproof		IP65(IR sensor)							---
Relay contact rating		1A@30VDC, 0.3A@125VAC					1A@30VDC, 0.3A@60VDC, 0.5A@125VAC	1A@30VDC, 2A@120VAC, 3A@24VDC	
Proximity range		3~15cm			4~15cm	3~15cm		1.5~10cm	
		Depending on the reflection rate of different object and different voltage							
Material	IR sensor	Polycarbonate fire & UV proof material							
	Face plate	Zinc alloy	Stainless steel	Zinc alloy			Stainless steel	Polycarbonate fire proof material	
Life		Electrical: Min. 100,000 operations at 1A 30VDC (at 0.5Hz) Min. 100,000 operations at 0.3A 125VAC (at 0.5Hz)			Mechanical: Min. 50,000,000 operations		Electrical: Min. 100,000 operations (at 1200 operations / hr) Mechanical: Min. 10,000,000 operations (at 1800 operations / hr)		

Example Applications

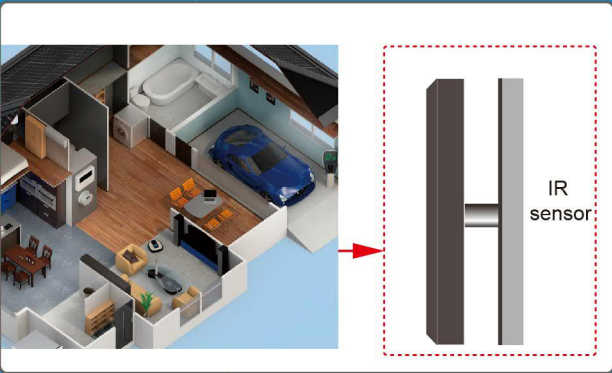
Device Switch



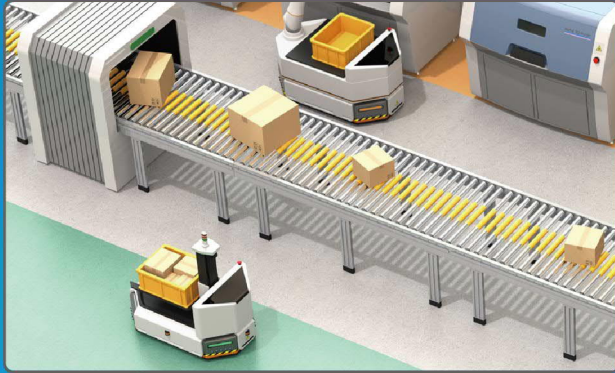
Hospital Door/Operating Room Automation Control



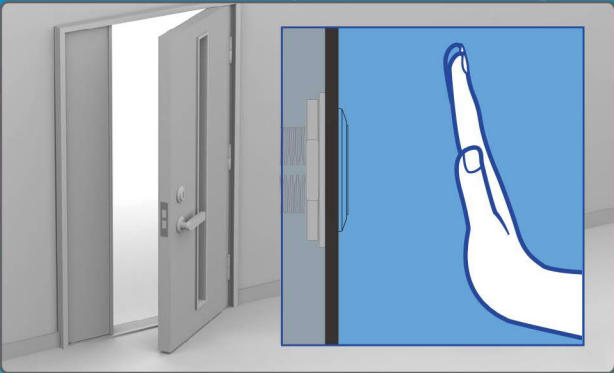
Anti-theft Detection



Automatic Location Detection



Gate/Door/Exit/Automation Control



Elevator Buttons



Parking Lot Ticket Machine



Water Dispensers



Ticket Machine



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