

# Waterproof Contactless Infrared Sensor



## Features

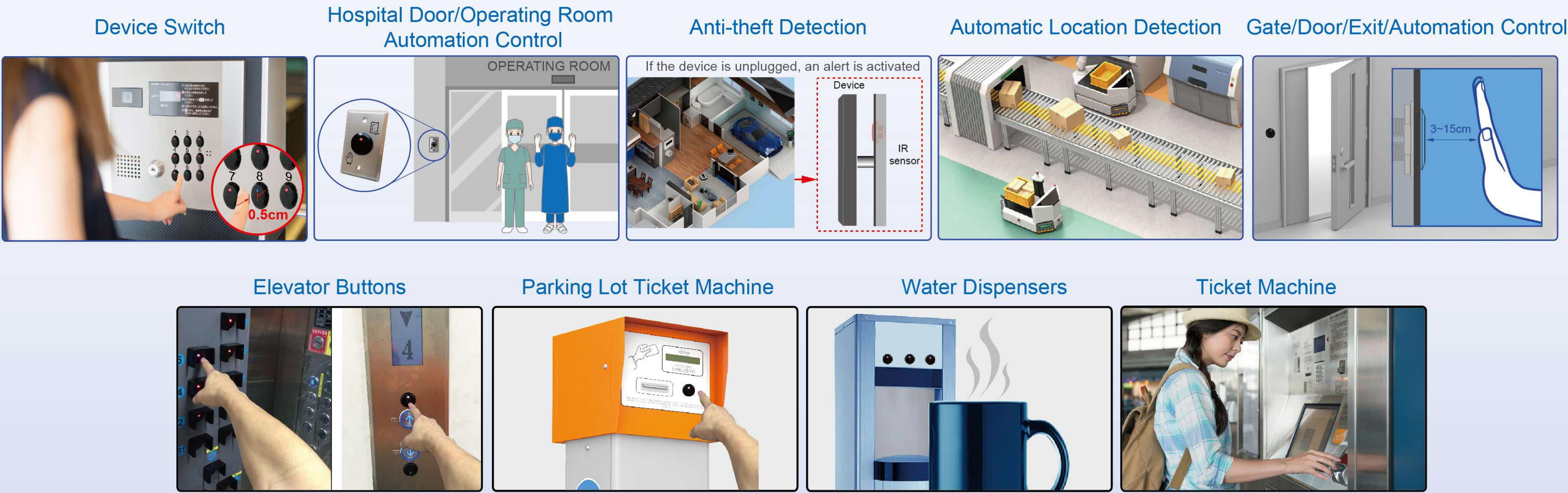
- ◆ Built-in micro controller for decoding infrared signal to avoid interference from the noise.
- ◆ With bi-color status LED (Power on: Red/ Proximity: Blue).
- ◆ With N.C. and N.O. output.



## Specifications

|                         |            |                                                                          |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
|-------------------------|------------|--------------------------------------------------------------------------|---------------------|----------------------------------------|---------------|----------|--------------|-----------|---------------|------------|----------------|-----------------|-----------------|----------|--------------|------------|-----------------|---------------------|-----|
| Appearance              |            |                                                                          |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Dimension<br>mm[inch]   |            |                                                                          |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Model No.               |            | PBZ-22IRS                                                                | PBZ-22IR            | PBT-22IRS                              | PBT-22IRS-24V | PBT-22IR | PBT-22IR-24V | PBT-07IRA | PBT-07IRA-24V | PBT-09/IRA | PBT-09/IRA-24V | PBT-286/IRA     | PBT-286/IRA-24V | PBT-30IR | PBT-30IR-24V | PBT-211IRB | PBT-211IRB-24V  | PBT-38IR            |     |
| Power supply            |            | DC 10~24V                                                                | DC 10~24V           | DC 12V                                 | DC 24V        | DC 12V   | DC 24V       | DC 12V    | DC 24V        | DC 12V     | DC 24V         | DC 12V          | DC 24V          | DC 12V   | DC 24V       | DC 12V     | DC 24V          | DC 10~24V           |     |
| Current(±5%)            | Standby    | 34mA(10V) 21mA(24V)                                                      | 34mA(10V) 21mA(24V) | 25mA                                   | 25mA          | 25mA     | 25mA         | 25mA      | 25mA          | 25mA       | 25mA           | 25mA            | 25mA            | 25mA     | 25mA         | 25mA       | 25mA            | 34mA(10V) 21mA(24V) |     |
|                         | Work       | 55mA(12V) 33mA(24V)                                                      | 55mA(12V) 33mA(24V) | 35mA                                   | 35mA          | 35mA     | 35mA         | 35mA      | 35mA          | 35mA       | 35mA           | 35mA            | 35mA            | 37mA     | 37mA         | 37mA       | 37mA            | 55mA(12V) 33mA(24V) |     |
| LED                     |            | Power on: Red / Proximity: Blue                                          |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Adjustable opening time |            | 0.5~20 Sec. / Latched ON or OFF output.                                  |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Waterproof              |            | IP65(IR sensor)                                                          |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Relay contact rating    |            | 1A@ 30 VDC                                                               |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |
| Proximity range         |            | 0.5~10cm                                                                 | 3~10cm              | 0.5~10cm                               |               | 3~10cm   |              |           |               |            |                |                 | 3~15cm          |          |              |            | 3~10cm          |                     |     |
| Material                | IR sensor  | Metal                                                                    |                     | Polycarbonate fire & UV proof material |               |          |              |           |               |            |                |                 |                 |          |              |            |                 | Metal+PC            |     |
|                         | Face plate | -----                                                                    |                     |                                        |               |          | Zinc alloy   |           |               |            |                | Stainless steel |                 |          | ---          |            | Stainless steel |                     | --- |
| Life                    |            | 100,000 cycles (1A 30VDC, 0.3A 125VDC) / 50,000,000 cycles (Dry Contact) |                     |                                        |               |          |              |           |               |            |                |                 |                 |          |              |            |                 |                     |     |

## Example Applications



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We reserve the right to change the specification without prior notice or obligation!



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