HIR17 HIR17/R
Low bay   High bay with IP65

HYTRONIK ®

〈DALI〉 CE UK CA RED

Product Description

HIR17 & HIR17/R are PIR motion sensors, designed with Zhaga D4i (Book 20 connection) that enables lighting designers/manufactures to freely connect to Zhaga Book 20 LED Drivers via plug'n'play. It's a PIR sensor and also a daylight sensor, and yet comes with a surprisingly super-mini size!

HIR17

HIR17/R

Features

- DALI broadcast
- Daylight harvest function to regulate light output for maintaining required lux level
- 4-in-1: Zhaga + D4i + PIR motion sensor + Daylight sensor
- Optional accessories for different mounting style
- **MINI** Super compact mini size
- Plug'n'Play via Zhaga Book 20 connection
- 5-year warranty
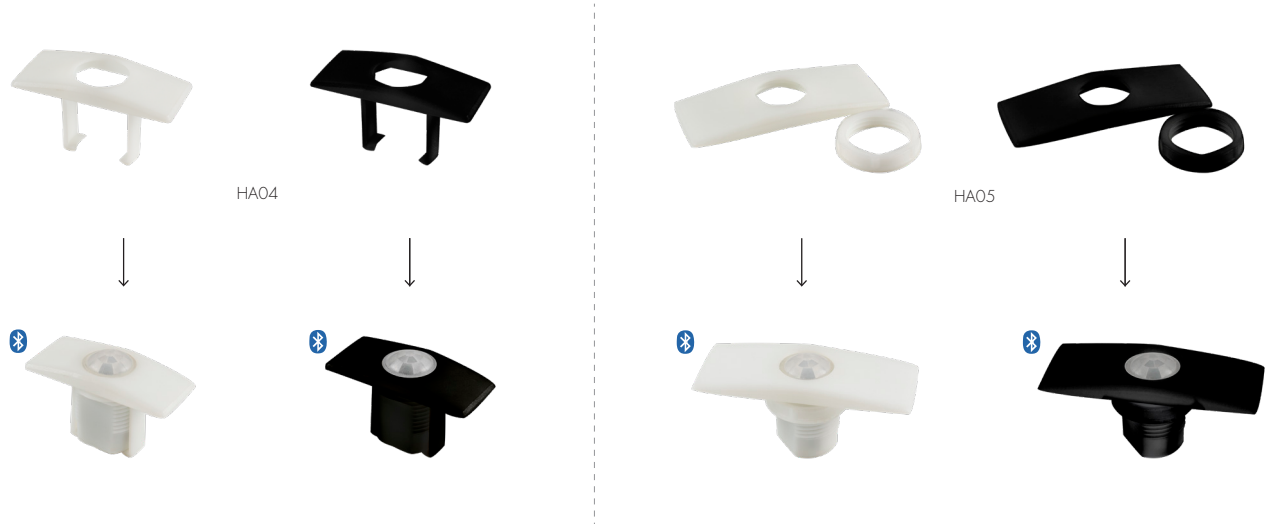- **IP65** IP65 rated design for HIR17/R
- 〈DALI〉2 coming soon...

Technical Specifications

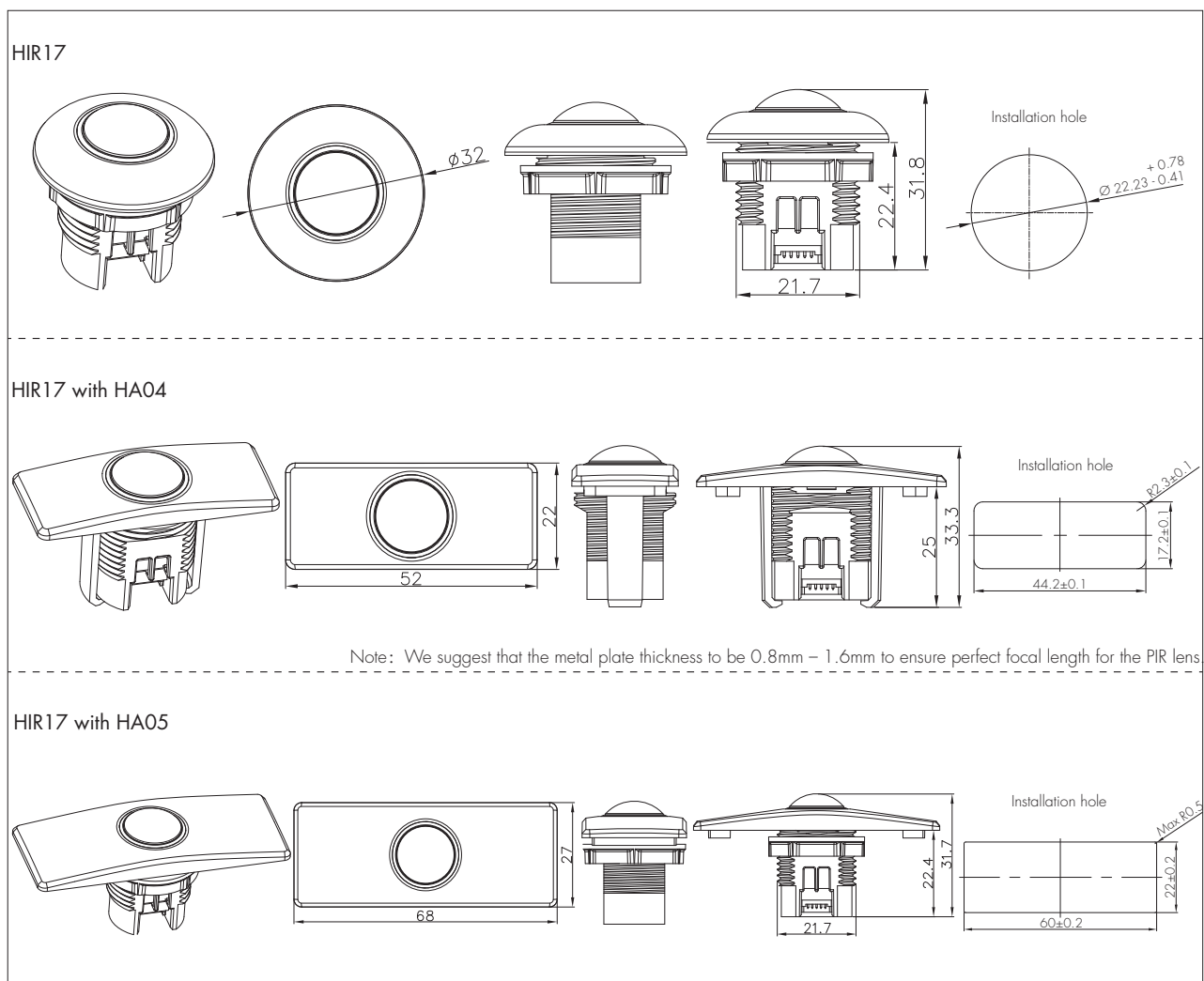| PIR Sensor Properties (HIR17 & HIR17/R)	
Sensor principle	PIR detection
Operation voltage	9.5~22.5VDC
Detection range *	HIR17 Max installation height：3m Max detection range (∅)：8m HIR17/R Max installation height: 8m (single person) Max detection range (∅): 10m (single person)
Detection angle	360°

Environment	
Operation temperature	Ta: -20°C ~ 50°C
Storage temperature	-40°C ~ +70°C
Relative humidity	10 ~ 90%
IP rating	IP20

* The detection range is heavily influenced by sensor placement (angle) and different walking paces. It may be reduced under certain conditions.
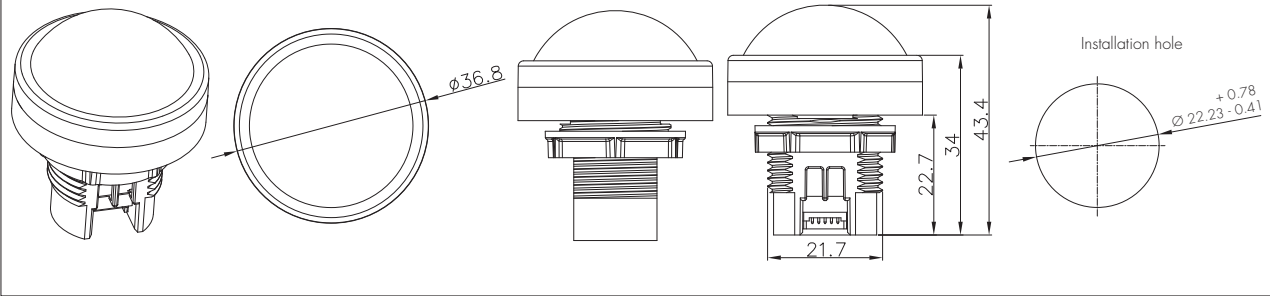

Optional Accessories
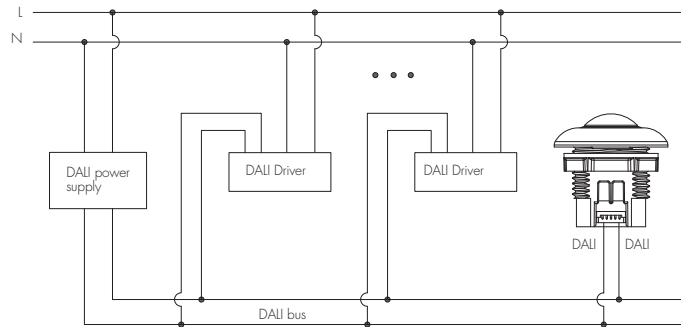

HA04

HA05

Mechanical Structure & Dimensions

HIR17

Ø32

31.8

22.4

21.7

Installation hole

Ø 22.23 $^{+0.78}_{-0.41}$

HIR17 with HA04

22

52

33.3

25

Installation hole

R2.3±0.1

17.2±0.1

44.2±0.1

Note：We suggest that the metal plate thickness to be 0.8mm – 1.6mm to ensure perfect focal length for the PIR lens.

HIR17 with HA05

27

68

31.7

22.4

21.7

Installation hole

Max.R0.5

22±0.2

60±0.2

HIR17/R (IP65)

Ø36.8

43.4

34

22.7

21.7

Installation hole

Ø 22.23 + 0.78 − 0.41

Wire Preparation

0.2~0.75mm

6~7mm

To make or release the wire from the terminal, use a screwdriver to push down the button.

Wiring Diagram

DALI Driver

L

N

• • •

DALI power supply

DALI Driver

DALI Driver

DALI   DALI

DALI bus

Detection Pattern

HIR17

3m

Radial movement 4m

Tangential movement 8m
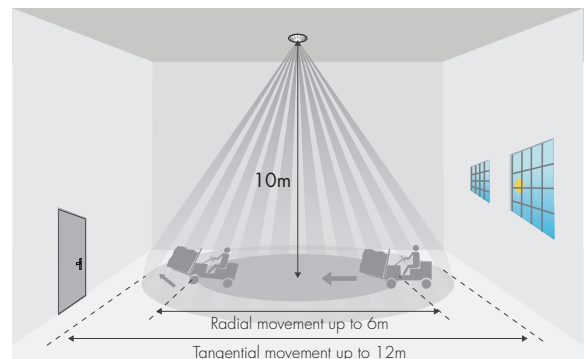
HIR17/R

10m

Radial movement up to 6m

Tangential movement up to 12m
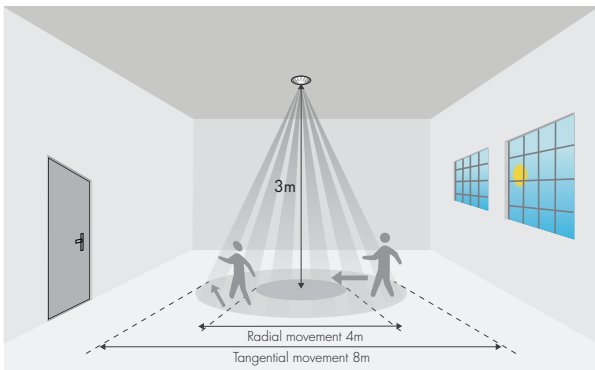
*The detection patterns are based upon 5km/h movement speed.

Additional Information / Documents

1. Regarding precautions for PIR Sensors installation and operation, please kindly refer to
   www.hytronik.com/download ->knowledge ->PIR Sensors - Precautions for Product Installation and Operation

2. Data sheet is subject to change without notice. Please always refer to the most recent release on
   www.hytronik.com/products/bluetooth technology ->Bluetooth Sensors

3. Regarding Hytronik standard guarantee policy, please refer to
   www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy