iHF 3D

Makes all the difference outside.
Precisely where you want it to.

No omissions, no compromises, no errors. The iHF 3D is the perfect motion detector for outdoors. Whether on facades, carports, patios or car parks – the intelligent high-frequency sensor only switches light on when it's really needed. Firstly, because it can distinguish human movements from the movements made by bushes, small animals and rain. And secondly, because users can set the maximum detection radius of 7 metres in all three dimensions with absolute precision to suit their particular needs. And in any weather.

intelligent
high frequency
sensor 160°

3 zones scalable
1 - 7 m max.

2000w
max.

KNX

IP54

1,8 - 2 m

2 - 2000 lux

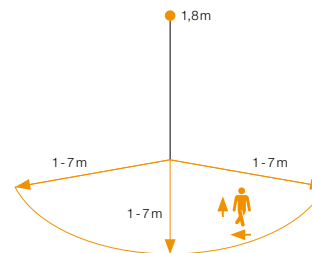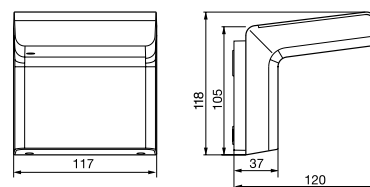10 sec - 30 min

manual
override

TEACH
mode

energy
saving

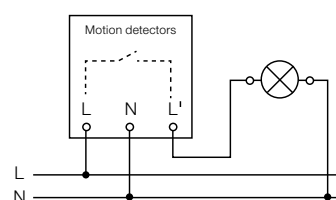**5** JAHRE
GARANTIE
manufacturer's
warranty

GERMAN
INNOVATION
AWARD 18
GOLD

reddot design award

EAN iHF 3D, white 4007841 007577

EAN iHF 3D, anthracite 4007841 007591

EAN iHF 3D, black 4007841 007584

EAN iHF 3D, KNX, white 4007841 059644

EAN iHF 3D, KNX, anthracite. 4007841 059620

EAN iHF 3D, KNX, black 4007841 059637

Type . . . . Motion detector

Dimensions (H x W x D) . . . . 118 x 117 x 120 mm

Power supply . . . . 120 - 250 V, 50 / 60 Hz

KNX power supply. . . . . KNX bus voltage

Sensor technology . . . . iHF (intelligent high-frequency technology)

Transmitter power . . . . approx. 1 mW

HF system . . . . 5.8 GHz

Where to use . . . . Outdoors

Mounting height. . . . . .1.8 - 2 m

Recommended mounting height . . . . .1.8 m

Output (resistive load, e.g. ordinary lamps) . . . . max. 2000 W, 230 V

. . . . max. 1200 W, 120 V

Output (uncorrected, inductive,

cos ϕ = 0.5, e.g. fluorescent lamps) . . . . max. 1000 VA, 230 V

. . . . max. 500 VA, 120 V

Output (series-corrected) . . . . -

Output (parallel corrected, with C ≤ 45.6 µF) . . . . -

Output (electr. ballasts, capac., e.g. low-energy lamps)   max. 800 A / 200 µs

. . . . 30 x (1 x 18 W), 25 x (2 x 18 W),

. . . . 25 x (1 x 36 W), 15 x (2 x 36 W),

. . . . 20 x (1 x 58 W), 10 x (2 x 58 W)

KNX functions . . . . Light output 1x, presence output, light level,

. . . . basic light level function, photo-cell controller,

. . . . Direction of movement, distance

Angle of coverage . . . . 160°

Reach . . . . .max. 1 – 7 m

Capability of masking out individual segments . . . . Detection zone

. . . . can be adjusted on 3 axes

Parallel-connected configurations . . . . Yes

User-friendly setting . . . . Teach-In (with optional remote control RC9)

Twilight setting . . . . 2 – 2000 lx

Time setting . . . . 10 sec – 30 min, pulse mode (approx. 2 sec)

IP rating IP54

Enclosure . . . . UV-resistant plastic

Temperature range . . . . - 20 to +50°C

Accessory included . . . . IR remote control RC9

Optional accessories

EAN Remote control Smart Remote 4007841 009151

Refer to the 'Accessories' section for further information.

CE

GS

1,8 m

1 - 7 m   1 - 7 m

1 - 7 m

iHF 3D detection zone
Possible mounting height 1.8 - 2 m
Orange: radial and tangential

Motion detectors

L   N   L'

L

N

Also suitable for parallel operating mode.
Intrinsic-light detection.

White

Black

Anthracite

Control unit for adjusting the detection zone along 3 axes

Control dials behind the designer trim panel

iHF sensor protected in the enclosure

UV-resistant plastic

Includes RC9 remote control

Optional Smart Remote see page 294