

ECO-IR 360-24V

Article number: 2024000

Description

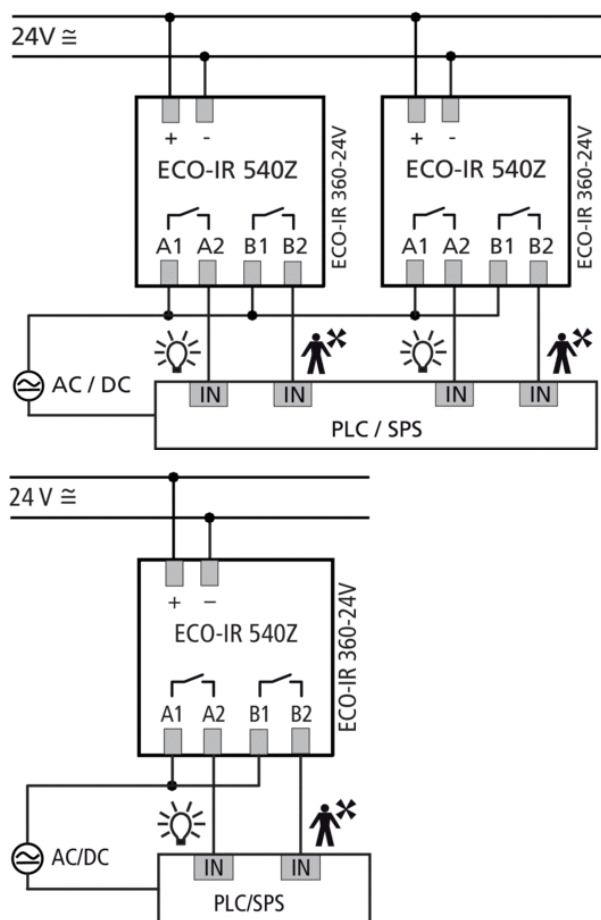


- Presence detector (PIR)
- Square detection area
- Genuine daylight measurement
- Light switch output (relay, potential-free)
- Presence switch output (relay, potential-free)
- Automatic control of lighting and HVAC
- Lighting control with light threshold value and self-learning switch-off delay
- HVAC control with separate switch-off delay
- The presence detector has "Genuine daylight measurement" and is only suitable for switching fluorescent lamps (FL/PL)
- Presence switch contact for HVAC control: The switching behaviour of the potential-free contact is only controlled by presence
- The parameters are set via the potentiometer
 - The switching behaviour of the presence detector is controlled by presence and light
 - The self-learning switch-off delay adjusts to occupants' behaviour
- The square detection area allows accurate and simple planning

Technical data

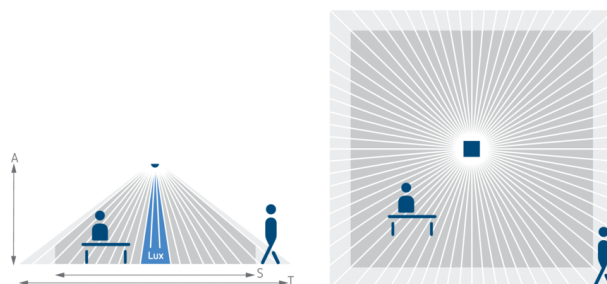
Operating voltage	24 V AC/DC
Recommended installation height	2 – 3,5 m
Installation type	Ceiling installation
Power consumption	0,3 W
Light measurement	Genuine daylight measurement
Setting range brightness	50 – 1600 lx
Light switch-off delay	2 min-15 min
Type of contact light	Relay potential-free
Lamps	fluorescent lamps
Compact and fluorescent lamps	50 W (24 V AC/DC), 460 VA (230 V AC), μ , min. 1 V/1 mA
Presence switch-off delay	1-60 min
Type of contact presence	Relay potential-free
Switching capacity presence	50 W (24 V AC/DC), 460 VA (230 V AC), μ , min. 1 V/1 mA
Switching output	Potential-free
Type of connection	Spring terminals
Max. cable cross section	1,5 mm ²
Mounting plate	70 x 70 mm
Size of concealed housing	Ø 55 mm (NIS, PMI)
Ambient temperature	+0 °C ... +50 °C
Protection class	II according to EN 60 730-1
Type of protection	IP 40

Connection example

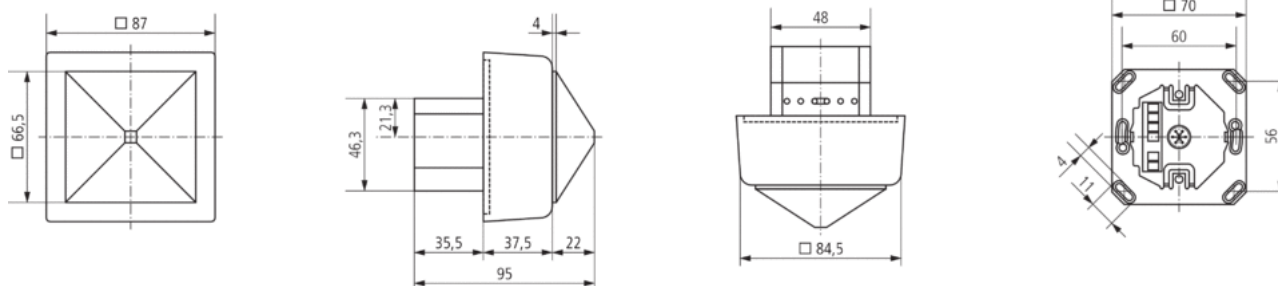


Detection range

Mounting height (A)	Sitting (S)	Walking (T)
2 m	20 m² 4,5 m x 4,5 m	36 m² 6 m x 6 m ± 0,5 m
2,5 m	36 m² 6 m x 6 m	64 m² 8 m x 8 m ± 0,5 m
3 m	49 m² 7 m x 7 m	81 m² 9 m x 9 m ± 0,5 m
3,5 m	64 m² 8 m x 8 m	100 m² 10 m x 10 m ± 1 m
4 m	–	121 m² 11 m x 11 m ± 1 m



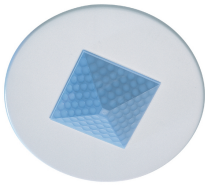
Scale drawings



Accessories

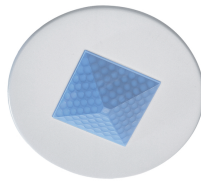
QuickFix round cover

- Article number: 9070517
[Details ▶ www.theben.de](http://www.theben.de)



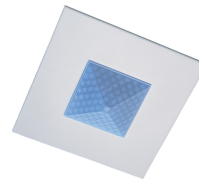
QuickFix concrete round cover

- Article number: 9070519
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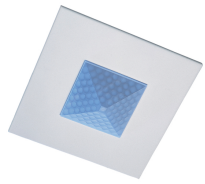
QuickFix concrete square cover

- Article number: 9070518
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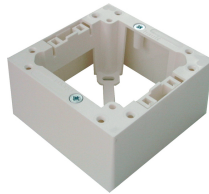
QuickFix square cover

- Article number: 9070516
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Surface frame ECO-IR 360

- Article number: 9070512
[Details ▶ www.theben.de](http://www.theben.de)



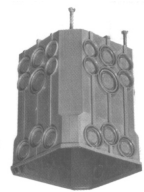
QuickSafe

- Article number: 9070531
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QuickFix concrete flush-mounted box

- Article number: 9070521
[Details ▶ www.theben.de](http://www.theben.de)



QuickFix flush-mounted housing

- Article number: 9070522
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