Bewegungsmelder IDUS
Art.No. 95171

Bewegungsmelder IDUW
Art.No. 96005

Bewegungsmelder IDA
Art.No. 95172

Bewegungsmelder IDA tripple
Art.No. 96007

Bewegungsmelder IDU
Art.No. 95173

Bewegungsmelder IDU mini
Art.No. 96006

Betriebsanleitung
User's Manual

INFRARED MOTION SENSORS IP20

ATTENTION! Read the user`s manual completely and carefully. It is part of the product and includes important information for proper installation and use. Keep this user's manual for clarification and only pass it on together with the product.

Content   Page

1 Safety Instructions

ATTENTION! Only skilled electricians may assemble and disassemble the housing of the product.

DANGER! Risk of life by electric shock!

Avoid contacting mains voltages!
Turn off the power of all circuits before working on the product!

ATTENTION! Risk of short-circuit!

Never bridge contacts!
Do not put things into ventilation slots or ports!

ATTENTION! Risk of injury by falling parts or impacts!

Mind respectable connections!
Install the product in the mentioned height!

- This product is not a toy and is not meant for children, because it contains small parts which can be swallowed and can injure when used inappropriately!
- Do not use any damaged products or parts.
- Remove or store the packing materials well, because children may cut themselves on them while playing. Further-more, there is a risk of swallowing and inhalating of inciden-tals and insulating material.
- Install and store the product and its accessories in a way that does not infringe any person or property damage, eg due to falling or stumbling.
- Avoid extreme influences, e.g. like heat and coldness, humidity and direct sun insultaion, vibrations and mechanical pressure.
- Do not modify or change the product or its accessories! Also mind chapter "warranty and liability".
- Mind the specifications for transporting and use applicable methods, e.g. by using the original packing.
- If defects, mechanical damages, disturbances or other problems occur, which are not solvable with this manual, take the device out of work immediately and consult your dealer for questions, repairing or change like it is described in chapter "warranty and liability".
- A defective device may not be put into operation, but must be

protected against further use. Repairing, such as assembling and disassembling the housing is only allowed to skilled professionals. By repairing it yourself you will loose all warranties and there is a risk of electric shock and short circuit.
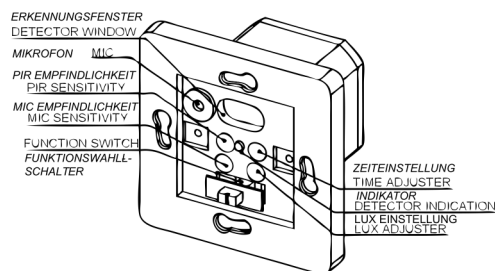
• Motion sensors are not suitable for use as components of an alarm system. They can trigger false alarms if the installation place has been chosen unfavourably.
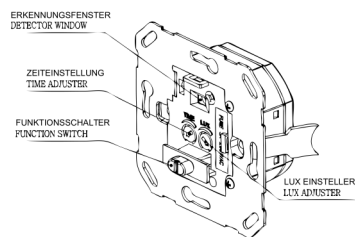
2 Description and Function

This product is an infrared motion sensor for indoors and is specified as installation material. It reacts to heat radiation (infrared radiation) of moving objects that enter the detection area of the sensor, eg. people and animals, etc. The sensor must „see" the area which is monitored. Thermal radiation propagates in a straight line, but is stopped by glass or other solid objects.

Entering the detection area of the sensor switches the connected electrical consumer on and after a (adjustable) time off again automatically. A built-in photocell prevents working of the motion sensor during sunlight. In addition, the ambient brightness can be adjusted by a regulator.
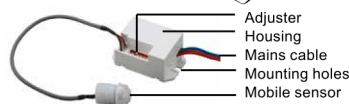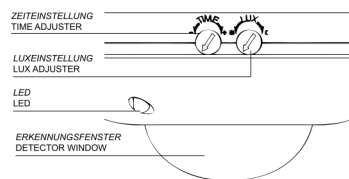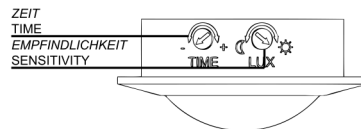
95171

ERKENNUNGSFENSTER
DETECTOR WINDOW

MIKROFON   MIC

PIR EMPFINDLICHKEIT
PIR SENSITIVITY

MIC EMPFINDLICHKEIT
MIC SENSITIVITY

FUNCTION SWITCH
FUNKTIONSWAHLL-
SCHALTER

ZEITEINSTELLUNG
TIME ADJUSTER
INDIKATOR
DETECTOR INDICATION
LUX EINSTELLUNG
LUX ADJUSTER

96005

ERKENNUNGSFENSTER
DETECTOR WINDOW

ZEITEINSTELLUNG
TIME ADJUSTER

FUNKTIONSSCHALTER
FUNCTION SWITCH

LUX EINSTELLER
LUX ADJUSTER

96006

Adjuster
Housing
Mains cable
Mounting holes
Mobile sensor

95172/96007

ZEITEINSTELLUNG
TIME ADJUSTER

LUXEINSTELLUNG
LUX ADJUSTER

LED
LED

ERKENNUNGSFENSTER
DETECTOR WINDOW

95173

ZEIT
TIME
EMPFINDLICHKEIT
SENSITIVITY

TIME   LUX

3   Intended Use

This product is made for home use like described in chapter 2. We do not permit using this product in other ways. Use the product only in dry interior rooms. If not attending to these regulations and notes on safety, it might causes fatal accidents, injuries and damages to persons and property.

4 Scope of Delivery

Infrared motion sensor

User's manual

Installation material   2 x   2 x

5 Installing and Operating

Installation

DANGER! Risk of life by electric shock!

Avoid contacting mains voltages!
Turn off the power of all circuits before working on the product!

ATTENTION! Risk of short-circuit!

Never bridge contacts!
Do not put things into ventilation slots or ports!

1. Switch off the mains fuse.
2. Check with a voltage tester to be sure, all lines are really stress-free. If in doubt, a electrician must do the installation work.
3. Check the packing content for being complete.
4. Compare all products to be compatible to each other.
5. Remove the cover cap

95171/96005:   by using a screwdriver.
95172/96007:   by turning the cover cap anti clockwise.

95173:   by pushing upwards.
96006:   no cover cap included

Choose the installation place away from street lighting, plants or air conditioning vents. Avoid direct sun insulation eg. neer windows.
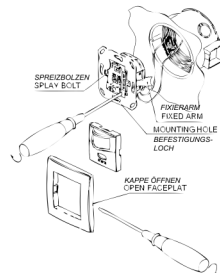
6. Attach the cover cap to a wall or ceiling in a height, mentioned in the specifications - with the installation material. At this, attend to the cable location and its alignment. Also attend to the detection area and max. distance.
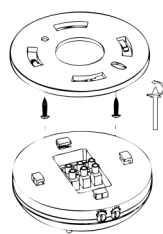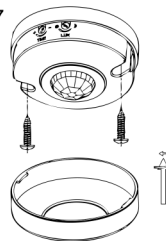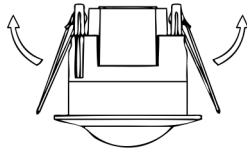7. Install the motion sensor like shown:

Installing

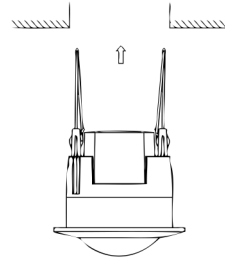95171
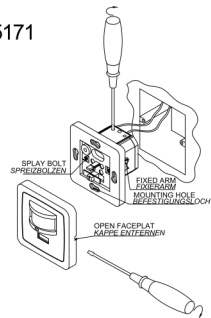
96005

95172
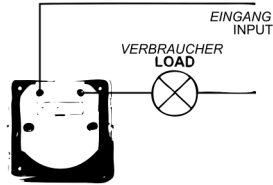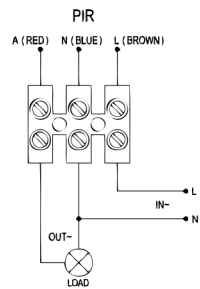
96007

95173

1.   2.

The scope of delivery includes installation material for concrete walls or ceilings. Other materials need other installation material.
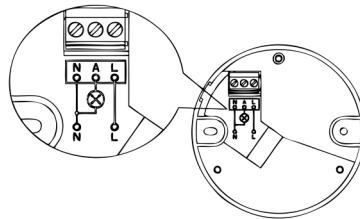
Wiring

EINGANG
INPUT

95171/96005

VERBRAUCHER
LOAD

95172   96007

PIR

A (RED)   N (BLUE)   L (BROWN)

N   A   L

L

IN~

N

OUT~

LOAD

95173   N L   96006
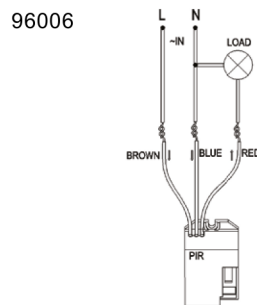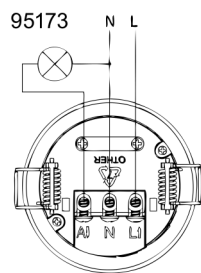

Note: L   phase (hot)
               N   zero conductor (ground)
               A   consumer (lamp)

8. Plug the luster terminal onto the provided lugs.
9. Connect motion sensor and cover cap and lock the
    connection.
10. Switch on the mains fuse.

Operating

*Depending on the design of your motion sensor, it may only have
some of the following options:*
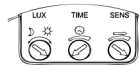
SLIDE SWITCH: Select between
ON: The motion sensor works without distance
                 adjustment (PIR).
OFF: All functions are off.
PIR: Distance adjustment is activated.
PIR+MIC: Distance adjustment and microphone are
                 activated in addition.

TIME: Adjust the lighting time. (10 s ~ 7 min.)
LUX: Adjust the photosensitivity. (3-2000 Lx)
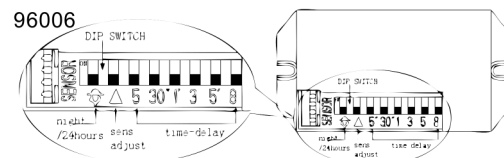SENS: Adjust the detection distance. (4-9 m)
MIC: Adjust the sound control sensitivity of the
              microphone. (30-90 dB)

Motion sensors work by day and night. For daylight use, set LUX to maximum (SUN) for correct work.

96006

☼ night   Motion sensor only works by night.
  ON   Motion sensor works by day and night.

△ sens   Adjustes the sensitivity of the motion sensor.

time-delay   Sets lighting time after activating between 5/30s
               or 1/3/5/8min.

6 Maintenance, Care, Storage and Transport

DANGER! Risk of life by electric shock!

Avoid contacting mains voltages!
Turn off the power of all circuits before working on the product!

ATTENTION! Risk of short-circuit!

Never bridge contacts!
Do not put things into ventilation slots or ports!

- The device is maintenance-free.
- Switch off the mains fuse and disconnect the product from mains!
- Use a dry and soft cloth to clean your product. Be careful to avoid scratches. Use a slightly moist cloth for heavy stains. Look out for live cables! Do not use any cleaning supplies. This can cause burns to the materials. Avoid liquid entry to the device.
- Avoid places with high temperatures, humidity, or places which can become wet, also during maintenance, care, storage, and transport.
- Keep the product away from children and store it at dry and dust-proof places!
- Keep the original packing for transport and to avoid damages.

7 Troubleshooting

Problem	Help
The product does not work.	• Check all cables for being connected the right way. • Check function of lamp and switch on mains fuse after complete installation. • Check the settings.
Sensivity is not satisfying.	• Remove objects out of the detection area. • Temperatures >40°C can cause switching errors. • Attend to right installation height. • Adjust the sensivity.
Lighting time is not satisfying.	• Adjust the lighting time.
other questions	• Consult your dealer.

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8 Specifications

Model	95171	95172	95173
Input voltage	220-240 V AC / 50 Hz		
Ambient brightness	3-2000 lx		
Operating time	min. 10+/-3 s max. 7+/-2 min.		
IP class	IP20		
max. Power	500 W	1200 W (incandescent) 300 W (energy saving lamp)	
Minimum load	40 W	1 W	
Detection range	4-9 m	max. 6 m (<24°C)	
Detection angle	160°	360°	
Operating temp.	-20 ~ +40°C		
rel. Humidity	<93% RH		
Energy consumption (in operation / stand-by)	0.82W	0.65W / 0.75W	0.51W / 0.52W
Reaction time	0.6~1.5 m/s		
Dimensions	85 x 85 x 60 mm	125 x 125 x 65 mm	100 x 85 x 80 mm
Weight	142 g	212 g	146 g
Fuse	F2.5A/250 V	-	-
Installation height	1 - 1.8 m	2.2 - 4 m	

Model	96005	96007	96006

Input voltage	220-240 V AC / 50 Hz		
Ambient brightness	3-2000lx		10-2000lx
Operating time	min. 10+/-3 s max. 7+/-2 min.		5/30 s, 1/3/5/8 min.
IP class	IP20		-
max. Power	500 W (incande-scent) 100 W (energy sa-ving lamp)	1200 W (incande-scent) 300 W (energy saving lamp)	800 W (incande-scent) 200 W (energy saving lamp)
Minimum load	1 W		
Detection range	max. 9 m	max. 6 m (<24°C)	
Detection angle	160°	360°	
Operating temp.	-20 ~ +40°C		
rel. Humidity	<93% RH		
Energy consumption (in operation / stand-by)	0,1W	0.72W / 0.74W	0.71W / 0.74W
Reaction time	0.6~1.5 m/s		
Fuse	-		
Installation height	1 - 1.8 m	2.2 - 4 m	1.8 - 2.5 m

9 Warranty and Liability

• The producer grants 2 years warranty to a new device.
• As the manufacturer has no influence on installation, warranty only applies to the product itself.

- If any fault or damage is detected on your device, please contact your dealer and provide your sales slip or invoice as evidence of the purchase, if necessary. Your dealer will repair the fault either on site, or send the device to the manufacturer. You make the work of our technicians considerably easier, describing possible faults in detail – only then you can be assured that faults, occurring only rarely, will be found and repaired with certainty!
- The manufacturer is not liable for damages to persons or property caused by improper installation, operation or maintenance, not described in this manual.
- Do not alter or modify the product or its accessories.
- Any use other than described in this user`s manual is not permitted and causes loss of warranty, loss of guarantee, and non-liability.
- We reserve our right for misprints and changes of the device, packing, or user`s manual.

10 Disposal Notes

According to the European WEEE directive, electrical and electronic equipment must not be disposed with consumers waste. Its components must be recycled or disposed apart from each other. Otherwise contaminative and hazardous substances can pollute our environment.

As a consumer, you are committed by law to dispose electrical and electronic devices to the producer, the dealer, or public collecting points at the end of the devices lifetime for free. Particulars are regulated in national right. The symbol on the product, in the user`s manual, or at the packaging alludes to these terms. With this kind of waste separation, application, and waste disposal of used devices you achieve an important share

to environmental protection.
WEEE Directive: 2012/19/EC
WEEE No: 82898622

11 EC Declaration

With the CE sign Goobay®, a registered trademark
of the Wentronic GmbH ensures, that the product is
conformed to the basic European standards and
directives.