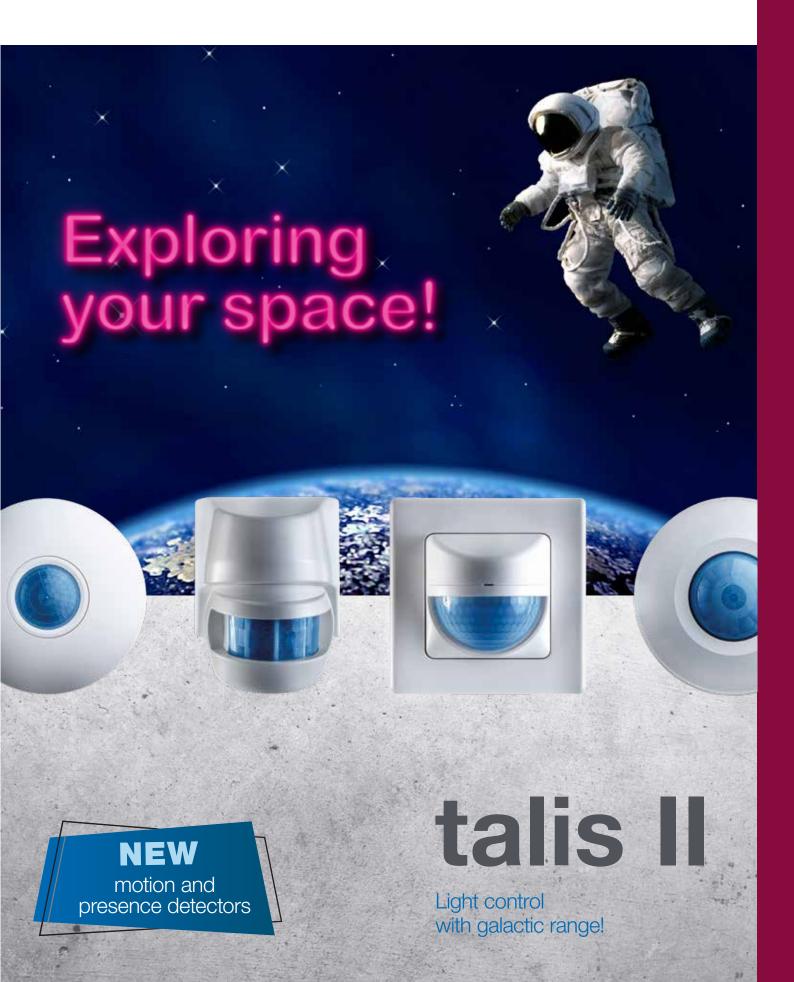
# **GRÄSSLIN**



# TALIS II MOTION AND PRESENCE DETECTORS – EXPLORING YOUR SPACE

### Light control with galactic range!

- Easy to install
- Broad scope of application
- Efficient switching

#### PRODUCT LINE WITH AN OVERVIEW!

Ever since the light bulb was invented in 1879, electric lights have been an elementary part of our planet. Light gives us security, comfort and well-being. But the constant worldwide spread of artificial light has a darker side, too. Our modern civilisation brings with it rising energy consumption and growing pollution.

As a manufacturer of time switch technology and light and temperature control systems, it is our stated goal to develop solutions for efficient, demand-controlled light source management in order to keep use of resources sustainable.

The new talis II motion and presence detectors by Grässlin are capable of switching lights based on motion and ambient brightness with precision. Lights come on only where needed, i.e. when the lighting conditions make it necessary and only while there is anybody present. Energy is only consumed when actually needed. This saves money and protects the environment – and such devices also offer great safety and comfort.

The talis II product line features cutting-edge technology such as passive infrared sensors (PIR sensors) or highly sensitive high-frequency technology (high frequency at 5.8 GHz). Additionally, the products integrate light sensors that measure daylight values precisely. The product line is ready for anything. Thanks to the different variants for surface mounting, flush mounting and mounting in suspended ceilings and the exchangeable accessories, the products offer a broad scope of application and are suitable for any locations, e.g. staircases, corridors, sanitary facilities, warehouses and more. Simple installation and easy, user-friendly parameter setup help electricians use the products with minimal workload.

### POINTS OF VIEW MATTER!

Outdoors or indoors, all of the talis II products always have a keen eye on everything. The motion detectors are especially suited for outdoor use. They cover a range between 9 and 16 metres within an angle of 180° to 240°. Installation is a piece of cake and the devices can easily be attached to facades, garages or house walls. Once installed, they detect any major motion and monitor the ambient brightness. Remote yards, cellar entries or parking garages – the detectors reach the furthest corners and offer maximum security even in the darkest spots.

The talis II presence detectors with passive infrared sensors are experts in energy-efficient indoor light control. Inside a detection range of 8 to 40 metres, they detect even the smallest of motions and keep electric consumers switched on automatically depending on the ambient brightness. An integrated light sensor constantly monitors lux levels and switches the electric consumer off when ambient brightness is sufficient, irrespective of any switch-off delay set. This ensures that lights only come on if they are actually needed. talis II PHB 360-20-1i, talis II PC 40-5-1i and talis II P 360-24-1i can be set up conveniently by remote control. Particularly when used in rooms with ceilings up to 12 metres high or in corridors up to 40 metres long, remote operation is a definite quality-of-life improvement.

If you need above-average detector sensitivity, talis II 360-10-1HF and talis II 360-10-2HF presence detectors with high-frequency technology are what you're looking for. These presence detectors use the Doppler radar effect and, unlike passive infrared sensors, respond to minute motion such as slight hand movements at a workspace. The detectors achieve outstanding ranges, both radially and tangentially and irrespective of the axis of motion. The high-frequency waves are not stopped by thin walls or ceilings and can pass through materials like glass, wood and stone, to name a few. Should detection even go too far in certain places, restricting range is no problem whatsoever.

The motion and presence detectors are available as either single- or dual-channel variants in all three categories. The dual-channel variants can switch two consumers simultaneously. This is the ideal way to combine and control lights and HVAC connections (heating, ventilation, and air conditioning).

#### DESIGNS AND ACCESSORIES - FOR THE EYE TO SEE

The talis II product line takes into account the broadest range of requirements and conditions. The different designs make the devices suitable for surface mounting, flush mounting or for mounting in suspended ceilings. Various accessory parts round off the overall package and allow the devices to be installed easily wherever you want them, even under difficult conditions.



talis II RC IR10 07.10.0006.1



talis II SM BOX 10 07.10.0003.1



talis II SM Box 20 07.10.0004.1



talis II FC BOX 20 07.10.0005.1



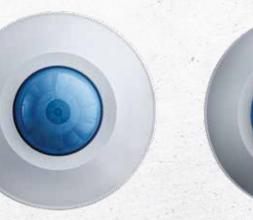


















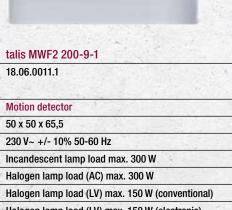


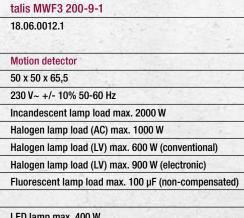


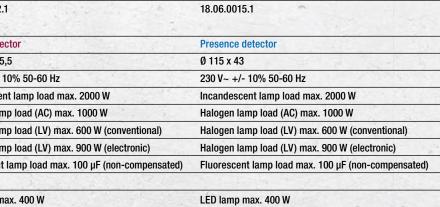
	talis MFM 360-6-1	talis MW 240-16-1
Item number	18.06.0009.1	18.06.0003.1
Sensor type	Motion detector	Motion detector
Dimensions (mm)	86,5 x 38 x 31,5	79 x 90 x 166
Supply voltage	230 V~ +/- 10% 50-60 Hz	230 V~ +/- 10% 50/60 Hz
Switching capacity	Incandescent lamp load max. 2000 W	Incandescent lamp load max. 2300 W
	Halogen lamp load (AC) max. 1000 W	Halogen lamp load (AC) max. 1200 W
	Halogen lamp load (LV) max. 600 W (conventional)	Halogen lamp load (LV) max. 600 W (conventional
	Halogen lamp load (LV) max. 900 W (electronic)	Halogen lamp load (LV) max. 900 W (electronic)
	Fluorescent lamp load max. 100 µF (non-compensated)	Fluorescent lamp load max. 600 W (non-compens
	LED lamp max. 400 W	LED lamp max. 400 W
	Energy-saving lamp max. 400 W (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (incl. CFL and PL
Energy consumption	< 1 W (in standby mode)	< 1 W (in standby mode)
Datastian range	2600	240° (frontal) / 260° (Coling)



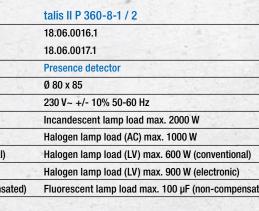
talis MW 180-12-1	talis MWF2
18.06.0002.1	18.06.0011.1
Motion detector	Motion detec
99 x 82,7 x 106,7	50 x 50 x 65,
230 V~ +/- 10% 50-60 Hz	230 V~ +/- 1
Incandescent lamp load max. 1000 W	Incandescen
Halogen lamp load (AC) max. 500 W	Halogen lam
	Halogen lam
	Halogen lam
Fluorescent lamp load max. 200 W (non-compensated)	Fluorescent
	-COUNTY - CO

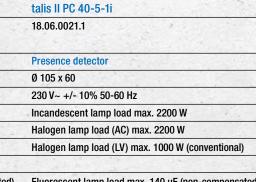


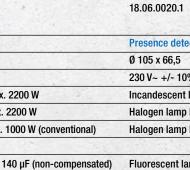


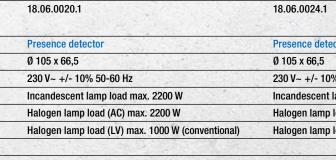


talis II PS 360-8-1





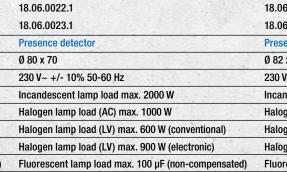




talis II PHB 360-20-1i

	Presence detector
	Ø 105 x 66,5
	230 V~ +/- 10% 50-60 Hz
N's	Incandescent lamp load max. 2200 W
	Halogen lamp load (AC) max. 2200 W
rentional)	Halogen lamp load (LV) max. 1000 W (convention

talis II P 360-24-1i



talis II P 360-10-1 HF / 2 HF

	talis II P 360-20-1 / 2
Ų.	18.06.0018.1
	18.06.0019.1
	Presence detector
	Ø 82 x 104,4
	230 V~ +/- 10% 50-60 Hz
15	Incandescent lamp load max. 2000 W
	Halogen lamp load (AC) max. 1000 W
-	Halogen lamp load (LV) max. 600 W (conventional)
	Halogen lamp load (LV) max. 900 W (electronic)
ted)	Fluorescent lamp load max. 100 µF (non-compensation)
7.	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tidorodoont lamp load max. 100 pr (non
A. C. C.	
	LED lamp max. 400 W
	Energy-saving lamp max. 400 W (incl. CF
Energy consumption	< 1 W (in standby mode)
Detection range	360°
Range	approx. 5-11 m, at an installation height
Time setting	approx. 1 min 15 min.
Nummber of Channels	1
Light level	approx. 10. Lux ( ) ) - ∞ Lux ( 🌣 )
Ambient temperature	0° C + 45° C
Class of protection	II S
Degree of protection	IP 44
Installation	False celing

Surface-mounted box

Celing-mounted set

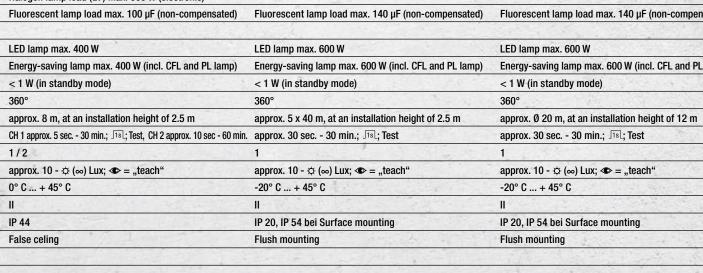
	Energy-saving lamp max. 400 W (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (incl. CFL and PL lamp
rgy consumption	< 1 W (in standby mode)	< 1 W (in standby mode)
ection range	360°	240° (frontal) / 360° (Celing)
ge	approx. 5-11 m, at an installation height of 2-5 m	approx. 10 m, at an installation height of 2.5 m
e setting	approx. 1 min 15 min.	approx. 5 sec 30 min.
nmber of Channels	1	1
t level	approx. 10. Lux ( ) ) - ∞ Lux ( 🌣 )	5 Lux ()) - ∞ Lux (☆)
pient temperature	0° C + 45° C	-20° C + 50° C
s of protection		
ree of protection	IP 44	IP 55
allation	False celing	Surface mounting
essories		
note Control		

ġ	Halogen lamp load (LV) max. 600 W (conventional)	
Ž	Halogen lamp load (LV) max. 900 W (electronic)	
	Fluorescent lamp load max. 600 W (non-compensated)	Fluorescent lamp load max. 200 W (non-compensated)
P	LED lamp max. 400 W	LED lamp max. 150 W
ł	Energy-saving lamp max. 400 W (incl. CFL and PL lamp)	
ĝ	< 1 W (in standby mode)	< 1 W (in standby mode)
	240° (frontal) / 360° (Celing)	180°
ŝ	approx. 10 m, at an installation height of 2.5 m	approx. 12 m, at an installation height of 2 m
	approx. 5 sec 30 min.	approx. 5 sec 12 min.
į	1	1
	5 Lux ( ) ) - ∞ Lux ( 🌣 )	5 Lux ()) - ∞ Lux (☆)
	-20° C + 50° C	-20° C + 45° C
ě		
Ż	IP 55	IP 54
ŝ	Surface mounting	Surface mounting
ğ		

27	Haiogen lamp load (LV) max. 150 W (conventional)
	Halogen lamp load (LV) max. 150 W (electronic)
	Fluorescent lamp load max. 150 W (non-compensate
Ž,	LED lamp max. 100 W
K	Energy-saving lamp max. 150 W (incl. CFL and PL lar
N.	< 1 W (in standby mode)
8	200°
	approx. 9 m, at an installation height of 1,2 - 1,5 m
	approx. 5 sec 30 min.
9)	1
	5 Lux ()) - ∞ Lux (☼)
â	0° C + 45° C
Ä	1
	IP 40
k	Flush mounting
_	

Fluorescent lamp load max. 100 µF (non-compensated)	Fluorescent lamp load max. 100 µ
LED lamp max. 400 W	LED lamp max. 400 W
Energy-saving lamp max. 400 W (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (i
< 1 W (in standby mode)	< 1 W (in standby mode)
bis zu 200°	360°
approx. 9 m, at an installation height of 1,2 - 1,5 m	approx. 8 m, at an installation heig
approx. 5 sec 30 min.	approx. 5 sec 30 min; Isl; Tes
	1 1 2 3
5 Lux ()) - ∞ Lux (☆)	approx. 10 - ♦ (∞) Lux; ◆ = "tea
0° C + 45° C	0° C + 45° C
	1
IP 40	IP 40
Flush mounting	Surface mounting

ο μι (ποιι-compensateu)	Thorescent famp load max. Too pr (no
	LED lamp max. 400 W
V (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (incl. 0
	< 1 W (in standby mode)
	360°
neight of 2.5 m	approx. 8 m, at an installation height of
Test	CH 1 approx. 5 sec 30 min.; Isl; Test, CH 2 a
44. S	1/2
teach"	approx. 10 - ☼ (∞) Lux; ◆ = "teach"
	0° C + 45° C
	I
2	IP 44
	False celing



√ (07.10.0006.1)

√ (07.10.0004.1)

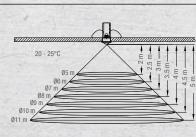
√ (07.10.0005.1)

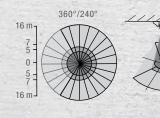
figia	LED lamp max. 600 W
ımp)	Energy-saving lamp max. 600 W (incl. CFL and PL lamp)
	< 1 W (in standby mode)
	360°
	approx. Ø 20 m, at an installation height of 12 m
	approx. 30 sec 30 min.; stist; Test
	1
	approx. 10 - ☼ (∞) Lux; ◆ = "teach"
T.	-20° C + 45° C
1	IP 20, IP 54 bei Surface mounting
	Flush mounting

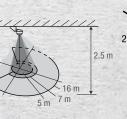
ensated)	Fluorescent lamp load max. 140 µF (non-compensated)	Fluorescent lamp load max. 100 µF (non-compensated)	Fluorescent lamp load max. 100 µF (non-compensated)
	LED lamp max. 600 W	LED lamp max. 400 W	LED lamp max. 400 W
PL lamp)	Energy-saving lamp max. 600 W (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (incl. CFL and PL lamp)	Energy-saving lamp max. 400 W (incl. CFL and PL lamp)
	< 1 W (in standby mode)	< 1 W (in standby mode)	< 1 W (in standby mode)
	360°	360°	360°
n	approx. Ø 24 m at an installation height of 2.5 m	approx. Ø 10 m at an installation height of 2.5 m	approx. Ø 20 m at an installation height of 2.5 m
	approx. 30 sec 30 min.	CH 1 approx. 5 sec 30 min.; 1st; Test, CH 2 approx. 10 sec 60 min.	CH 1 approx. 5 sec 30 min.;
	1	1/2	1/2
	approx. 10 - ♦ (∞) Lux; ◆ = "teach"	approx. 10 - ☼ (∞) Lux; ◆ = "teach"	approx. 10 - ☼ (∞) Lux; ◆ = "teach"
SAIT A	-20° C + 45° C	-20° C + 50° C	0° C + 45° C
	IP 20, IP 54 bei Surface mounting	IP 54	IP 44
AND THE RESERVE	Flush mounting	False celing	False celing

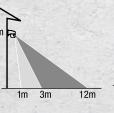
√ (07.10.0003.1)

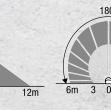
			(4.7/5)
	√ (07.10	0.0003.1)	
		<i></i>	
ш 2005 27 <b>М</b> 4 m		2,50 m	
0 4 m Ø 10 m	: /	0 4 m	

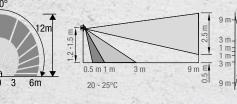


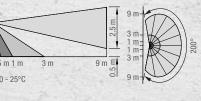


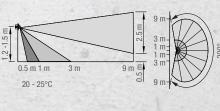


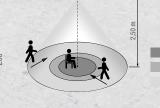




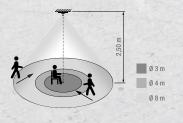




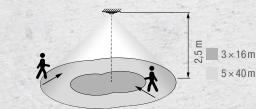


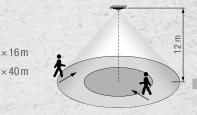






√ (07.10.0003.1)

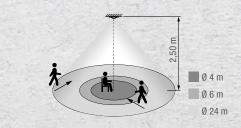




√ (07.10.0006.1)

√ (07.10.0004.1)

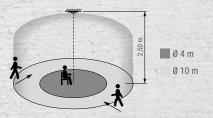
√ (07.10.0005.1)



√ (07.10.0006.1)

√ (07.10.0004.1)

√ (07.10.0005.1)



## **GRÄSSLIN**

Grässlin GmbH Bundesstraße 36 78112 St. Georgen Germany

\$\& +49 (0) 7724/933-0

+49 (0) 7724/933-500

+49 (0) 7724/933-240

www.graesslin.de 





