

- In connection with the RFSW-xx/S room unit (or RFTC-3 thermostat), it is used to signal the status of MUR (green LED) and DND (red LED)
- Also includes button for controlling a room bell connected to the switched output of this unit or any iNELS Wireless switching element. The button bell has 2 colors of backlighting (explained below)
- The second switched output of this unit can be used to switch the in front door light and control it from the schedule HRS system, by time or ambient light intensity
- The unit can be mounted in an installation box, for example replace the original bell button or light switch, only requires a 230V AC or AC/DC 24 V power supply. Communication is then wireless
- The unit can be controlled by up to 4 rooms units (RFSW-xx/S or RFTC-3)
- Setup and programming is done by a pairing button + signaled by service LEDs
- The unit can be connected to the HRS (Hotel Reception Software) via the eLAN-RF gateway or the RFTC-3 thermostat. The functions can then be controlled from the reception PC console or the iNELS application.
- Standard glass colour white/black, room number and hotel logo can be defined when ordering
- Available with AC 230V or AC/DC 24V power supply with the option of galvanically isolated relay output contacts from the power supply (see table on the next page and connection below)

Technical parameters

RFGS-30/S

Supply voltage:	230 V AC / 50-60 Hz	24 V AC / DC
Apparent/loss power input:	1.2 VA/0.6 W	0.6 VA/0.6 W
Supply voltage tolerance:	±10 %	

Output

Relays capacity:	2x switching / 8 A / 250 V AC1 / 2000 VA / ZERO CROSS
Peak Current:	$I_{peak} < 110A$ 300us / max. input capacitance 125 uF
Contact Life:	mechanical 10 mil. / electrical 100,000 cycles

Control

Control items:	1 button / 1DND / 1MUR
Communication:	wireless, iNELS RFIO2 protocol
Frequency:	866-922 MHz (more on page 85)
Repeater Function:	yes
Range:	in open areas up to 200 m

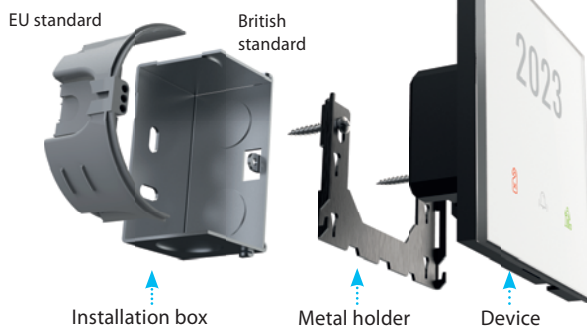
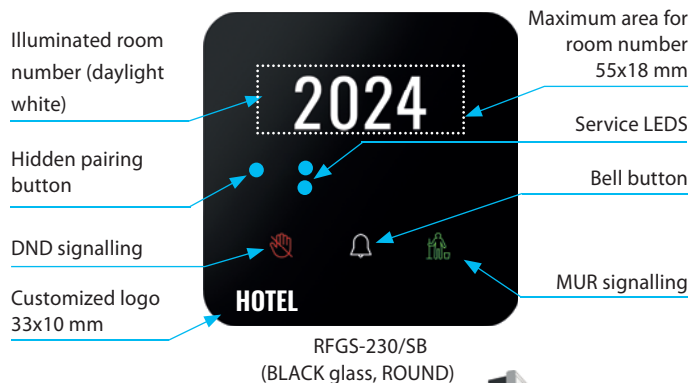
Connection

Terminal block:	screwless - push in
Wire gauge:	0.2 - 1.5 mm ² solid flexible

Other data

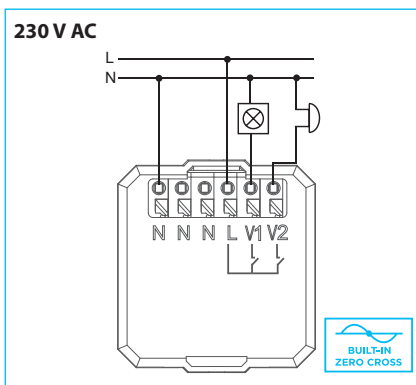
Operating Temperature:	-10 to +50 °C
Storage temperature:	-30 to +70 °C
Protection degree:	front IP60 / rear IP20
Overvoltage Category:	II.
Pollution Degree:	2
Working position:	Any
Installation:	flush mount to the installation box, BS or EU standard
Dimension:	Sharp: 94 x 94 x 39 mm / Round: 100 x 100 x 39 mm
Weight:	Sharp: 131 g / Round: 138 g
Related standards:	EN 60730, EN 63044, EN 301489, EN 300 220

Instrument description

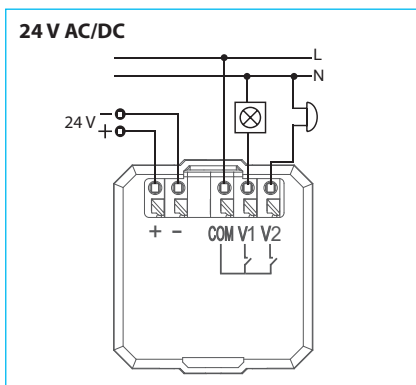


Output relays are equipped with ZERO CROSS technology, which allows switching the load when the voltage passes zero, i.e. in the minimum current consumption, which prevents burning and sticking of relay contacts - especially when switching electronic ballasts, which are part of each LED luminaire.

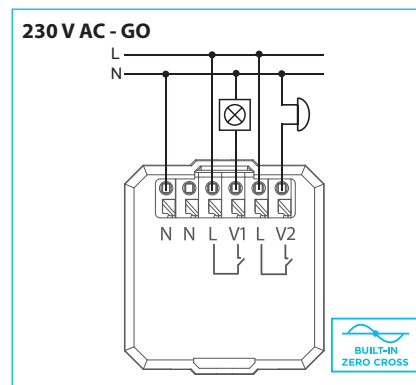
Connection



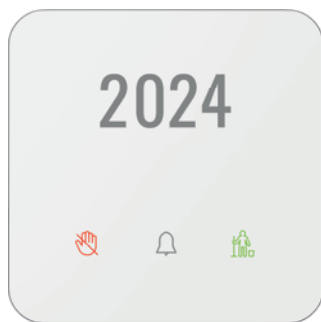
The output contacts (V1, V2) switch the phase potential (L) and are equipped with **zero cross** switching technology



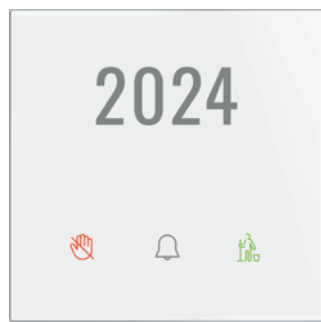
The output contacts (V1, V2) are galvanically isolated from the power supply and share a common COM terminal



The output contacts (V1, V2) are galvanically isolated from the power supply and each has its own COM terminal. However, they must be connected to the same phase



RFGS-230/SW
(WHITE glass, ROUND)



RFGS-30/SW
(WHITE glass, SHARP)

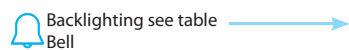


RFGS-230/SB
(BLACK glass, ROUND)



RFGS-30/SB
(BLACK glass, SHARP)

Button legend



BELL button backlight meaning

Symbol	Colour	Room	Ring
	White	vacant	YES
	Blue	occupied	YES
	Blue+DND active	occupied, but „Do not disturb“	NO

Icons are illustrative - configure your own look using the configurator: icons.inels.com



Type	Number of buttons	Design ROUND SHARP	Glass colour	Power supply	Galvanically isolated output contact	EAN	Code
RFGS-30/SW/230V	1	S	White	AC 230 V	-	8595188189477	8947
RFGS-230/SW/230V	1	R	White	AC 230 V	-	8595188192712	9271
RFGS-30/SB/230V	1	S	Black	AC 230 V	-	8595188189200	8920
RFGS-230/SB/230V	1	R	Black	AC 230 V	-	8595188192705	9270
RFGS-30/SW/24V	1	S	White	AC/DC 24 V	✓	8595188191586	9158
RFGS-230/SW/24V	1	R	White	AC/DC 24 V	✓	8595188192736	9273
RFGS-30/SB/24V	1	S	Black	AC/DC 24 V	✓	8595188191579	9157
RFGS-230/SB/24V	1	R	Black	AC/DC 24 V	✓	8595188192729	9272
RFGS-30/SWGO/230V	1	S	White	AC 230 V	✓	8595188192675	9267
RFGS-230/SWGO/230V	1	R	White	AC 230 V	✓	8595188192699	9269
RFGS-30/SBGO/230V	1	S	Black	AC 230 V	✓	8595188192668	9266
RFGS-230/SBGO/230V	1	R	Black	AC 230 V	✓	8595188192682	9268