Signify

interact

Specification Sheet

UID8470
Zigbee Green Power Switch

Signify's UID8470 switch is a kinetic wireless switch which operates using Zigbee green power. It can be used with Interact Ready systems.
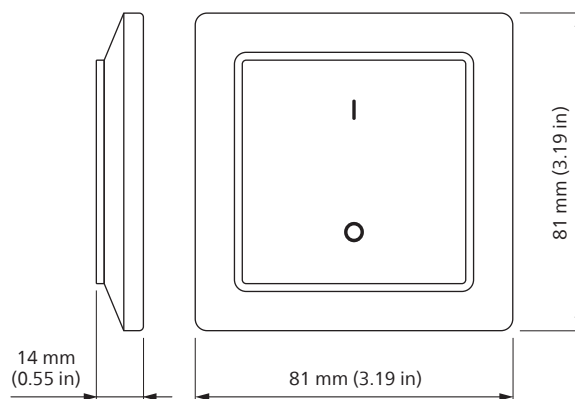
- No wiring and power connections required. Easy to install.
- Low mechanical force required to operate the device (typically less than 8 Newton).
- Indoor distance that can be covered is typically 10 m (33 ft) for line-of-sight installations. When there are walls, this is reduced depending on the type and thickness of the walls.

UID8470

Features and benefits

- Provides switch and dim functionality.
- Wireless communication based on the ZigBee Pro standard (IEEE 802.15.4, WPAN). There is no need to connect to any electrical power supply as the device is battery powered.
- When a button is pressed, or released, a message is sent including a unique 32-bit identifier which prevents interferences with other devices.
- Briefly pressing the upper or lower part of the device either switches lights ON or OFF.
- A press and hold action engages the dim-up or dim-down function.
- The device is Interact ready and can be easily linked to a wireless standalone or connected lighting system.
- The devices are easy to install and use. Additional information can be found in the appropriate installation instructions.

Dimensional drawing

14 mm (0.55 in)

81 mm (3.19 in)

81 mm (3.19 in)

Specifications

Communication

Wireless	Zigbee PRO Green Power IEEE 802.15.4 WPAN
Data rate	250 kbps
Carrier frequency	2.4 GHz

Transmission distances (typical values)*

Indoor (plasterboard)	10 m (33 ft); max. 3 walls
Indoor reinforced concrete	7 m (23 ft); max 1 wall/ceiling

Physical

Dimensions (H x W x D)	81 x 81 x 14 mm (3.19 x 3.19 x 0.55 in)
Weight	0.058 kg (2.05 oz)
Housing	Polycarbonate
Color	White (similar to RAL9000)
Lifetime	> 50 000 actuations

Environment

Temperature (operating)	−25 to +65 °C (−13 to +149 °F)
Relative humidity (operating)	0% to 95% (non-condensing)
Temperature (storage and transport)	−25 to +65 °C (−13 to +149 °F)
Relative humidity (storage and transport)	0% to 95% (non-condensing)

* Distance is largely influenced by the wall/ceiling material and the angle that the transmitted signal is intersecting with.

Note
Fire-safety walls, elevator shafts and so on are considered as shielding.

Compliances and approvals

Approbations	CE, UKCA, ROHS, Green Power
Protection rating	IP20
Electromagnetic compatibility (EMC)	EN 61000-6-2:2005 EN 61000-6-4:2007+A1:2011
Quality standard	ISO9001
Environmental standard	ISO14001, CE2522
Restriction of Hazardous Substances (RoHS)	2011/65/EU Annex 2015/863/EU

Wireless

Radio Equipment Directive	RED 2014/53/EU
Electronic compatibility and radio spectrum matters (ERM)	EN 301489-1:V2.2.3 EN 301489-17:V3.2.4
Wideband transmission systems	ETSI EN 300 328: V2.2.2

Packing data

Type	Dimensions	Qty	Material	Weight	
				Net	**Gross**
Single pack	205 x 95 x 95 mm (80.7 x 37.4 x 37.4 in)	10	Cardboard	0.58 kg (1.28 lb)	0.74 kg (1.63 lb)

Ordering data

Type	MOQ	Ordering number	EAN1	EAN2	EOC
UID8470/10 ZGP Switch Dim 2B	10	9137 010 55703	8719514 273771	8719514 273795	273771 00