

**Radio transmitters
as door and window contact units with solar cell,
with 1 channel**

The radio transmitter **KYMASGARD® FK1 - FSE** is a battery-less and maintenance-free window contact with one channel. Energy generation is effected by conversion of indoor room light into electric energy by means of a solar generator. It is used for status monitoring of windows and doors employing a reed contact with counter magnet and to transmit the results via radio signal to radio actuators and radio receivers / gateways. It is suitable for mounting on window and door frames made of wood, glass, and aluminium.

FK1-FSE



TECHNICAL DATA

Operation:	energy generation by electrodynamic solar generator, batteryless, maintenance-free
Radio technology:	EnOcean protocol, modulation ASK, transmission power max. 10 mW
Channels:	1 status, 1 control
Radio transmitter module:	STM100
Status acquisition:	reed contact
Measurand acquisition:	every 1000 seconds
Transmission interval:	every 1000 seconds, or at any status change
Range of coverage:	indoors typically 30 - 100 m, outdoors up to 300 m
Dimensions:	110 x 19 x 15 mm (L x W x D)
Enclosure:	plastic, material ABS, colour pure white (similar to RAL 9010)
Mounting:	on-wall on even surface, for sticking or screw fastening
Ambient temperature:	-25...+65 °C (in operation)
Storage temperature:	-40...+85 °C
Humidity:	0...70 % r. H., non-precipitating air
Protection type:	IP 20 (according to EN 60 529)
Standards:	CE conformity, ROHS conformity according to directive 2011 / 65 / EU

KYMASGARD® FK1-FSE – Radio transmitter as door and window contact unit

Type / WG02	Channels	Enclosure Colour	Item No.	Price
FK1-FSE				
FK1-FSE-RW	1	Pure white	1801-8431-1000-000	97,80 €
Compatibility	For an overview, see the start of the chapter			