

Energy Harvesting



KNX Switch Module with Programming Adapter and Media Coupler

Features – Switch Module

- Inductive generator: The energy required for data transmission is created by the mechanical actuation of the switch
- Miniature design combined with extremely high energy output
- Long mechanical life
- Momentary design: Switching mechanism returns to starting position after release (pushbutton)
- Maintained design: Switching mechanism with two rest positions (e.g. On/Off switch)

Features – Programming Adapter

- Supplies battery power to the KNX-RF® switch module
- Permits bidirectional wireless communication with switch module
- When plugged in, directly activates the switch module's pairing mode

Media coupler

- Connects a KNX-TP® (twisted-pair) line to a KNX-RF® (radio) line
- Receiver for KNX-RF® switch module and other KNX-RF® devices
- Configurable via the ETS software (from ETS5) using a programming adapter
- Product included in ETS catalogue (from ETS5)
- Powered via TP KNX® bus, so no external AC or DC power supply unit is required

Standard parts

AFIM-1010 KNX RF Switch Module

AFZM-0001 Programming Adapter

AFZE-1008 Media Coupler

Technical Data

	KNX-RF® Switch Module	Programming Adapter	Media Coupler
Dimensions	40 x 40 x 11.2 mm	42.1 x 58.1 x 30.4 mm	37 x 37 x 9 mm
Frequency band	868.3 MHz	-	868.3 MHz
Temperature range	-20 °C to + 45 °C	20 °C to + 45 °C	-5 °C to +45 °C
RF distance (in buildings)	up to 30 m	-	up to 30 m
RF protocol	KNX RF1.R	-	KNX RF1.R
Modulation	FSK	-	FSK
Power supply	Self-powered	2 x AAA batteries (1.2 or 1.5 V)	KNX line, 21 to 30 V DC (SELV)

<https://switches-sensors.zf.com>

