## Energy harvesting RF switches for wireless communication with KNX systems

### Description

- Fulfills KNX-RF 2.0 Ready S-mode protocol standards
- Configurable via ETS 5
- Universally adaptable for customer-specific design parts
- Wireless and batteryless offering a new degree of freedom in KNX system design?
- Low operating force and low actuation noise
- Ideal for extensions of existing wire-based KNX systems
- Ideal for the development of pure KNX-RF systems
- Ideal for the realization of flexible systems (e.g. functional buildings with diverse applications and varying layouts)
- Compatible with all KNX-RF receivers such as switch actuators and line couplers

### Technical Data

| | |
|---|---|
| Frequency band | 868.3 MHz |
| Temperature range | -20 to +45 °C |
| RF generator lifetime | up to 150,000 operations |
| RF distance (in buildings) | up to 30 m |
| Radiated transmitting power | up to 3 dBm |
| RF protocol length | approx. 19 ms |
| Communication | Bidirectional during configuration with corresponding adapter |



Pairing adapter

## Full integration – gateway was yesterday

Using KNX-RF but also suitable for use with ZigBee GP/Light Link



**Building automation system**

Switch commands
Pairing
Configuration

**System component (system compatible)**

**CHERRY**