

# KNX RF/TP Coupler 670

## Bidirectional Gateway between KNX-RF and the KNX-Bus

Data sheet

### Application

The KNX RF/TP Coupler 670 connects wireless KNX devices (KNX-RF) with the KNX bus (KNX TP). The communication mode is bidirectional and therefore supports acknowledgements. In addition the gateway is able to act as a radio transmitter.

The KNX RF/TP Coupler 670 comes with 24 channels. Each channel can be assigned to one of the following functions:

- Switch (+ Scene)
- Dim (+Scene)
- Blinds (+Scene)
- LED-display
- Temperature sensor



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Every channel, configured as a receiver, is able to forward the battery status of connected wireless devices to the KNX bus.

### KNX learn mode

The KNX learn mode is activated and deactivated using the button "Prog KNX". A red LED indicates that learn mode is active. The configuration is done using the ETS and must precede the learning of the wireless devices.

### KNX-RF device learn mode

With a short keystroke of "Activ. / Add" you choose a channel. With a long keystroke you can connect a channel to a radio subscriber. The learn mode of the radio subscriber has to be activated too (see manual of the RF device).

With a brief stroke of the "Exit / Del" button, the learning process breaks off and goes into normal operation. With a long stroke you can clear the channel connection to the subscriber. For clearing a channel connection, the subscriber also has to be in learn mode (see manual of the RF device). The LCD shows the current channel number alternating with its configuration ("S" sensor, "A" actor)

### Normal mode

The LCD shows the channel number on which a telegram is received or transmitted.

### Technical data

#### Electrical safety

- Protection class (as per EN 60529): IP 20
- Safety extra low voltage SELV DC 24 V  
Compliant with EN 50090-2-2

#### CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- R&TTE directive 1999 / 5 / EC
- RoHS directive 2011 / 65 / EU (RoHS2)  
EN 50491-3: 2009, EN 50491-5-1: 2010  
EN 50491-5-2: 2010, EN 50491-5-3: 2010  
EN 61000-6-2: 2005,  
EN 61000-6-3: 2007 + A1: 2011  
EN 300 220-1: V2.4.1, EN 300 220-2: V2.4.1  
EN 50581: 2012 (RoHS2)

\*CE declaration can be requested at [info@weinzierl.de](mailto:info@weinzierl.de).

#### Environmental requirements

- Ambient operating temp.: - 5 ... + 45 °C
- Storage temp.: - 25 ... + 70 °C
- Rel. humidity (not condeds.): 5 % ... 93 %

#### Mechanical data

- Housing: plastic, white
- On-wall mounting
- Dimensions: 84 x 84 x 37 mm
- Weight: approx. 80 g

#### Power supply

- Powerd via bus  
Current consumption: approx. 8 mA

#### Connections

- KNX-Connection

#### Radio interface

- KNX-RF, ISM Band 868,3 MHz
- Range: 100m LOS



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