KNX radio configuration quicklink

The radio configuration sets up the functional connection between commanding (transmitters) and function-executing (receivers) radio components. Thus, central, group, extension unit and time controls, for example, can be implemented in a wireless manner.

The following can be configured:

- The local operation of the load connected to the insert
- Radio commands to control other receivers
- Functions which are executed when the radio commands are received
- See Table 5

fct LED display	Configurable functions				Function resulting from transmitter operation, notes	
	On s	On switch insert On dimmer insert				
	on off	ON/OFF 1)	*	ON/OFF, dim UP/ DOWN ¹⁾	Short button-press: Switch ON/OFF Long button-press: Dimming, reverse dimming direc- tion per actuation	
	on	ON ¹⁾	+	ON, dim UP ¹⁾	Short button-press: Switch ON Long button-press: Dim UP to maximum brightness	
	off	OFF 1)	-	OFF, dim DOWN ¹⁾	Short button-press: Switch OFF Long button-press: Dim DOWN to minimum bright- ness	
	1	Scene 1 ¹⁾			Receiver is allocated to a scene due to the configura- tion of the function. Short button-press: Short button-press: Recall the saved state of the connected load for the scene	
	2	Scene 2 ¹⁾				
	X	Timer ¹⁾			Switch ON for the set switch-on time Factory setting = 3 min	
	-~	• ON/OFF (switch/push-button) ¹⁾			Closing of the activating contact switches the load ON, opening of the contact switches the load OFF.	
	on o				Switches the load with higher priority to the appropri- ate state. Execution of other commands is only possi- ble after resetting the forced command.	
	off o	Forced mode OFF				
	24:	Presence simulation ¹⁾			Activates/deactivates execution of presence simula- tion (See Activating/deactivating presence simulation).	
	⊳⊳	▶ Master-Slave ²⁾			Is used to extend the detection area. Receives switch-on commands in case of motion detection in the detection area of the transmitter (Slave). Switches the lighting ON for the set delay time.	
					The brightness evaluation only takes place on the master, the slave only detects motion.	
					Can only be configured between radio motion detectors.	
	×	Cancel			No function Assignment to transmitter is deleted	

For configuration by means of Hager connec-

tion device TX100 or ETS, additional functions

are available (see operating instructions for

TX100 or application description for ETS).

Configuration of KNX radio motion detector as a receiver

Configuration to control the load connected to the insert via reception of a radio command.

As an example, the configuration of a wall-transmitter and a radio motion detector as receiver is described (Table 6).

EDs on the wall-transmitter and the radio
ceivers within radio range also display the tion mode.
ED on the wall-transmitter flashes for 1
red already fct LED of the motion detector the currently configured function.
n operation, the fct LED indicates the ransmitter button has already been ured with a function in a different receiver the configured function is part of a group I, only this function can be configured. ange a function, the existing configuration be deleted and the new one needs to be ured.
ED flashes during the saving process 5 s). The fct LED confirms the function by displaying the corresponding colour.
nation that is not possible or an error.
EDs on the wall-transmitter, on the motio and on all receivers within radio range go function is configured.
2

Table 6: Configuration of the function for the KNX radio motion detector

 $^{\mbox{\tiny 1)}}$ $\,$ Execution of the receiver function and local motion detector function have the same priority:

If the transmitter was first switched on/off and then motion was detected afterwards, then the motion detector will override the transmitter command
If motion was detected and thereafter, during the delay time, the system is switched on/off via the transmitter, the

the transmitter will override the motion detector

²⁾ Only with KNX radio motion detector on power supply for KNX radio application module as transmitter

Table 5: Configurable functions



KNX radio motion detector comfort 1.1 m quicklink Order no. 8534 51 .. KNX radio motion detector comfort 2.2 m quicklink Order no. 8534 61 ..

EN

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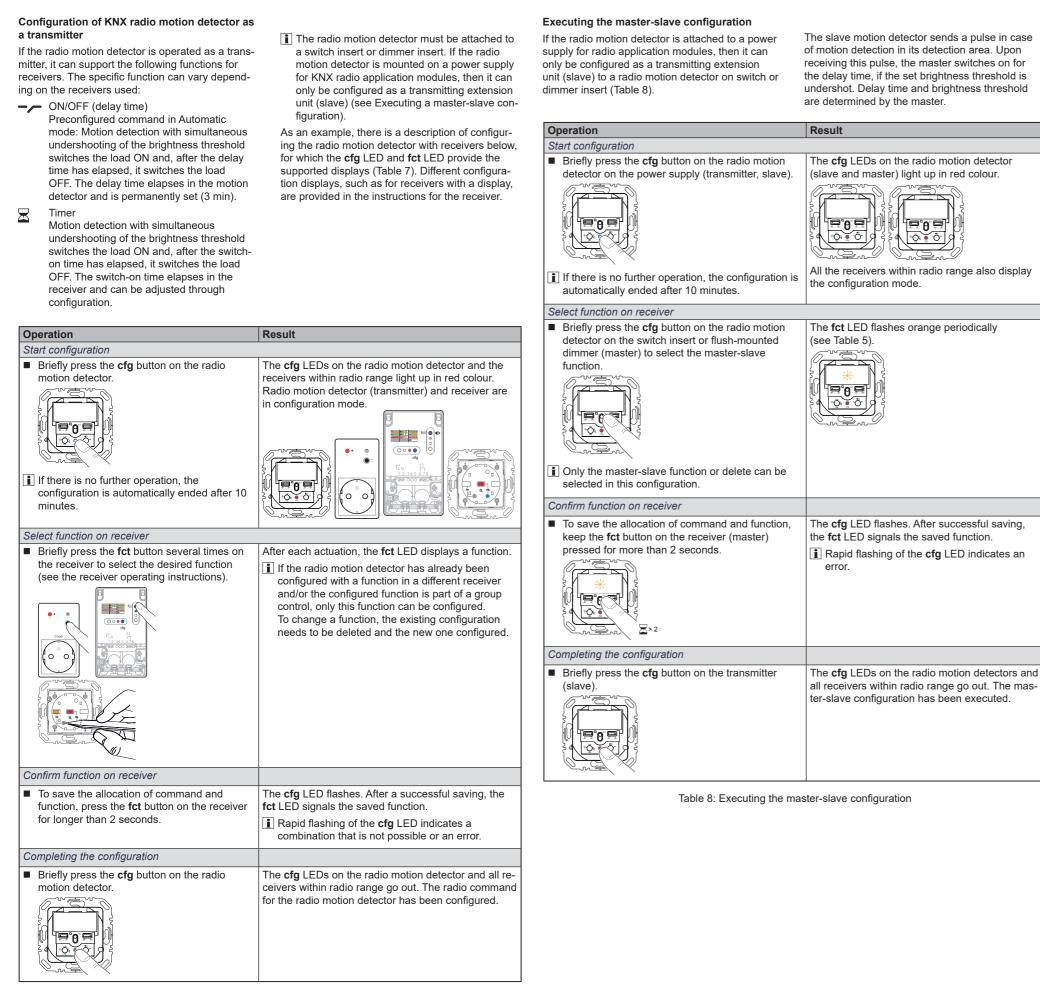


Table 7: Configuration of KNX radio motion detector as a transmitter

Deleting a configuration

To delete a configured receiver or the local operation, perform the configuration again

- Start configuration (see Configuration of radio motion detector as a receiver).
- If necessary, select transmitter button.
- The select transmitter button step does not apply for radio motion detectors as transmitters.
- Select function on receiver: Select the Delete function on the receiver and confirm the function on the receiver
- Completing the configuration: Briefly press the cfg button on the transmitter.

Configuration of group functions

By means of a group function, one transmitter, for example a radio motion detector, controls several receivers.

- To do so, the same functions must be configured on all receivers.
- tion detector as transmitter).
- Select function on receiver: Select the group function as described above on each receiver to be integrated and *confirm function on the* receiver
- Completing the configuration: Briefly press the cfg button on the transmitter.

- Start configuration (see Configuring radio mo-

Setting the switch-on time for the timer

The switch-on time on the receiver can be set in stages for the Timer function The factory setting is 3 min.

- Start configuration.
- If necessary, *select transmitter button*: Select the button with the timer
- The Select transmitter button step does not apply for radio motion detectors as transmit-
- Select function on receiver: If the Timer function is displayed through the **fct** LED flashing red (Table 5), keep the fct button on the receiver pressed for longer than 5 seconds, until the cfg LED flashes briefly.

The flashing fct LED shows the currently set switch-on time - with a factory setting of 5x (Table 9).

x number of flas the fct LED	Switch-on time	
1		1 s
2		30 s
3		1 min
4		2 min
5		3 min
6		5 min
7		15 min
8		30 min
9		1 h
10		3 h

Table 9. Settable switch-on times

Press the fct button.

Each short press of the **fct** button increases the switch-on time by one step.

- **i** During the setting, the **fct** LED indicates the switch-on time (Table 9) for orientation.
- Press the fct button for longer than 2 seconds to apply the desired switch-on time.
- Completing the configuration: Briefly press the cfg button on the transmitter.

Resetting the KNX radio motion detector to factory settings

The device is not in configuration mode.

- Keep the cfg button pressed for longer than 10 seconds, until the cfg LED switches from being red to flashing.
- Release the cfg button.

The cfg LED flashes rapidly in red. The device re-initialises itself. In the meantime, the cfg LED turns red. After that, the LED goes out and flashes 5x to indicate the compatibility. The reset is has been completed. The process lasts about 20 s.

This process deletes the complete configuration of the radio motion detector. Settings of the insert (switch-on brightness level, load setting) are not reset.