GB

30 065 745 - 1

Eltako ELECTRONICS

Wireless sensor

Wireless window controller
FFC65D/230V with display

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

! Note: Select english language !*

Wireless window controller with Display for single mounting 84x84x14 mm or mounting into the E-design switching system. Installation depth 33 mm. Illuminated display. Only 0.6 watt standby loss.

Power supply 230V.

Install in a 55 mm switch box. Projects by 14 mm and 33 mm deep in the box. 230V power supply via the terminals at the rear. Screw on mounting plate. Fit the frame and snap on the front panel with the display.

Settings are made with the buttons MODE and SET. The display illumination goes on by pressing on MODE or SET.

20 seconds after you last press MODE or SET, the program returns automatically to normal display and the display illumination goes off.

***Set language:** Every time the power supply is applied, press SET within 10 seconds to set the language *deutsch, english, francais, espanol* or *svenska* and press MODE to confirm. The normal display then appears.

Display readings: If no sensor has been taught-in, the display shows *no entry.* If all windows are closed, the display shows *all FTKs are closed.* If at least one window is open, the display shows, e.g. *FTK1 opened.*

If one window with window handle is on tilt, the display shows e.g. *FTK1 tilted.* If a cyclical telegram is not sent by one of the FTKs, the display shows e.g. *FTK1 no reception.*

Press SET to scroll down the display, e.g. if several windows are open.

If the FTKB-hg recognizes an alarm, *Alarm* is displayed.

If a window handle sends a cyclical telegram 'low battery', the display shows *all FTKs are closed* alternating with e.g. the message *low battery FTK1.*

After a power failure the display shows the message *Please actuate all FTKs* alternating with e.g. *FTK1 no reception.* After all FTKs are operated or they send cyclical telegrams, the normal display appears.

LED display:
green = all windows are closed
yellow = at least one window is on tilt
red (with priority) = at least one window is open or is not sending
red flashing (highest priority) = alarm

Up to 64 wireless window/door contacts FTK, FTKB, FTKE, TF-FKB, TF-FKE and wireless window handles can be taught in.

Teach in sensors:
Press MODE and press MODE to select the ***Learn* function.** The display shows *wait for telegram.* Now a teach-in telegram must be sent from one sensor. When the telegram is received, the display shows *telegram received* and the sensor name e.g. *FTK1.*

When you confirm this by pressing MODE, the display shows the message *edit name.* Now you can edit the name, e.g. kitchen. Press SET to edit and press MODE to confirm. The letters and numerals scroll rapidly when you hold down SET for a longer time. Release and press down for a longer time to change the scroll direction. There are 10 digits, upper case and lower case letters, numerals and additional characters available. After completing your entry or by pressing MODE for 3 seconds, the sensor and its name are saved and the normal display appears.

The display shows *no entry* as long as no data is sent by the taught-in sensor.

You can end the message *wait for telegram* by briefly pressing MODE.

When you press MODE for longer than 2 seconds, the normal display appears.

It is not possible to teach in a sensor ID several times.

After teaching in a sensor, operate it once so that the FFC65D can then monitor it.

Teach in encrypted sensors:
Press MODE and press MODE to select the ***Learn* function.** The display shows *wait for telegram.* Then press SET.
The display shows *wait for key* (icon). Then one of the sensors must send an encrypted teach-in telegram. When the encrypted teach-in telegram is received, the display shows *wait for telegram.* Then teach in the sensor as described under 'Teach in sensors'.

Edit a sensor later:
Press MODE and then press SET to search for the ***Edit name* function.** Select by pressing MODE.

Press SET to search for the sensor and press MODE to select it. Then edit the sensor name as described under 'Teach in sensors'.

It is easier to configure the FFC65D using **PC-Tool PCT14 (Version 7.6 or higher)** in conjunction with the **DAT71 data transmitter.**

Clear sensors:
Press MODE and then press SET to search for the ***Clear* function.** Press MODE to select.

Press SET to choose between *one ID* and *all IDs.* Press MODE to confirm.

After you press MODE to confirm *one ID,* press SET to select the sensor you want to clear and press MODE to confirm. The display then shows *press SET to erase.* When you press SET to start, the display shows *erasing finished* after the clear process. Press MODE to confirm.

After you press MODE to confirm *press SET to erase,* the display shows *erasing cancelled* and the normal display appears after 2 seconds.

After you press MODE to confirm *all IDs,* the display shows *Press SET to erase.* When you press SET to start, the display shows *erasing finished* after the clear process. Press MODE to confirm. After you press MODE to confirm *press SET to erase,* the display shows *erasing cancelled* and the normal display appears after 2 seconds.

ID of the FFC65D:
Press MODE and then press SET to search for ***ID.*** The display shows the ID of the FFC65.

Teach in FFC65D into the actuators FSR14, FSR61 or the GFVS:
Press MODE and then press SET to search for the ***Learn* function.** Press MODE to select.

Then press SET to send a teach-in telegram to teach in the prepared actuator.

The FFC65D sends telegrams to EEP A5-38-08
Teach-in telegram: 0xE0400D80
Data telegram: 0x01000008 = all windows are closed
0x01000009 = at least one window is open, on tilt or is not sending
0x0100000D = alarm
A status telegram is sent approx. every 10 minutes.

The following window/door contacts can be taught in:
FTK, FTKB and TF-FKB (EEP: D5-00-01)
FTKB-hg (EEP: A5-14-0A)
FTKE, TF-FKE (similar to EEP: F6-10-00)

The following window handles can be taught in:
FHF (EEP: F6-10-00)
Data telegram:
0xF0 = window closed
0xE0 = window open
0xD0 = window on

Window handles (EEP: A5-14-09)
Teach-in telegram 0x5048xx80
Data telegram: (the battery voltage is sent in DB3)
0x00000008 = window closed
0x0000000E = window open
0x0000000A = window on tilt

Window handles, FTKB-hg (EEP: A5-14-0A)
Teach-in telegram 0x5050xx80
Data telegrams as above, in addition
DB0.0 = 0 = no alarm
= 1 = alarm

EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FFC65D/230V is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: eltako.com

Must be kept for later use!

Eltako GmbH

D-70736 Fellbach

Technical Support English:
☎ Michael Thünte +49 176 13582514
✉ thuente@eltako.de

☎ Marc Peter +49 173 3180368
✉ marc.peter@eltako.de

eltako.com

07/2018 Subject to change without notice.