Wireless alarm controller

FAC65D/12–24V UC

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 alarm controller pure white glossy for single mounting 84 x 84 x 14 mm or mounting into the E-design65 switching system. Installation depth 33 mm. Illuminated display. Internal acoustic signal generator for a minimum volume of 80 dB. Supply voltage 12-24 V UC. Only 0.3 watt standby loss. Smart Home actuator.

Install in a 55 mm switch box. Projects by 14 mm and 33 mm deep in the box. 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.

Up to 50 sensors e.g. FTK, FTKB, FFKB, mTronic, eTronic, FFGB-hg, FTKE, FFG7B, FBH, FRW, FRWB, FHMB, FWS, FTR, FTF, FAFT, FCO2, FLGTF, wireless pushbuttons and the GFVS can be taught in as described in the operating instructions. Additionally; up to 4 wireless outdoor sirens FAS260SA 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.*
- For FTR, FTF, FAFT, FCO2 and FLGTF press SET to set an alarm threshold, e.g. for FTR 18.0°C and < or >.
- For FRW, FRWB, FHMB and FWS press SET to select the evaluation.

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 FAC65D can then monitor it.**

Teach in wireless pushbuttons UT, RT, bell:
Press MODE and select the *Learn function* with MODE. The display shows *wait for telegram.* A wireless pushbutton must now send a telegram. When the telegram is received, the message *telegram received* appears in the display. Press MODE to confirm this. The message *evaluation UT* appears in the display. Press SET to select between UT (universal pushbutton), RT (direction pushbutton) or bell. Press MODE to confirm and edit name appears in the display. Now you can change the name.

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'.

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 ID's.* 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 ID's,* 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.

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'.

Lock menu: Briefly press MODE and SET together and when *press SET to lock the menu* appears, press SET. Then press MODE and *menu is locked* appears in the display together with a lock icon.

Unlock menu: Press MODE and SET together for 2 seconds and when *press SET to unlock the menu* appears, press SET.

Use FAC65D as alarm actuator:
(as-delivered state)
Press MODE and then press SET to search for the *setup function.* Press MODE to select.

Press SET to select the *alarm actuator* mode and press MODE to confirm. Go to the *display lighting* option and press SET to select either *interval* or *permanent.* Press MODE to confirm and the display shows *alarm for FRW/FWS.* Then press SET to select between inactive (as-delivered state) and *active.* Press MODE to confirm. This defines the sensor type which can trigger an alarm. Then carry out the same steps for FCO2/LGTF, FTK/FHF, FTR/FAFT, FBH and UT. The display shows *Alarm duration 3min.* Press SET to select between 1 and 10 minutes. Press MODE to confirm. The message *edit text 1 keine Meldungen* followed by *edit text 2 warte bis Sensoren senden* then appear in the display. You can rename the two messages.

Display message:
If no sensor was taught in, the display shows *no entry.* For example, is all windows are closed, *keine Meldungen* (default message) appears in the display.

If at least one window is open, e.g. *FTK1 opened* appears in the display. If a window with handle is tilted, e.g. *FTK1 tilted* appears in the display. If no telegram is received from cyclically sending FTKs, e.g. *FTK1 no reception* appears in the display.

Press SET to browse through the display if several windows are open, for example.

Other messages on receipt of alarm telegram:
Smoke alarms FRW, FRWB and FHMB: *smoke*
Water sensor FWS: *water*
Motion detector FBH: *movement*
FTR and FTF: *too cold or too warm*
FAFT: *too dry or too wet*
FCO2: *CO2-alarm*
FLGTF: *TVOC-alarm*
If cyclically sending sensors are already taught in, the message *wait until the sensors send* appears in the display after a power outage. When the sensors have sent the messages, the standard display appears again. If a window handle sensor sends ‚ low battery', the message *low battery* appears in the display.

LED indicator:
green = no messages (e.g. all windows are closed)
yellow = at least one window is tilted
red = at least one window is open or sensor is not sending
red flickering = alarm

Switch on alarm standby:
(Alarm standby is automatically always active for smoke detectors and water sensors)
Press up direction pushbutton (RT). The actuator is on standby. ON is signalled by an acoustic signal sounding 3 times. If a monitored window is already open or if it is opened within 30 seconds after alarm standby is switched on, a cyclical signal sounds indicating the open window. When the window is closed, the signal stops immediately. **After 30 seconds,** incoming telegrams from taught-in sensors are evaluated and the alarm is switched on if the condition exists.

After a power failure, the actuator returns automatically to alarm standby.

Switch off alarm standby or switch off alarm: Press **down direction pushbutton (RT), alarm standby is switched off or the** alarm ends immediately. OFF is indicated by a short acoustic signal.

When an alarm occurs, an acoustic signal sounds at a rate of 1 second.
After 3 minutes (the time is reset after every incoming alarm telegram), the acoustic signal ends automatically.

If **wireless window contacts or window handles** are taught in, the alarm switches on after a response delay or 10 seconds when a window is opened.
When the window is closed, the alarm does not end automatically. The message *please acknowldg. alarm* appears in the display. Switch off the alarm using , Press down direction pushbutton'.

If **wireless window/door contacts mTronic** are taught in, the intelligent break-in detector is active even if alarm standby is switched off. If the window is open in locked and tilt position, the alarm sounds, the LED flickers red and the display shows *alarm.*

If **motion detectors** are taught in, the alarm switches on after a response delay or 10 seconds when a motion is detected.
Switch off the alarm using 'Press down direction pushbutton'.

If a **smoke detector FRWB, FHMB or water sensor** is taught in, the alarm switches on immediately when an incoming alarm telegram is received. In the event of an alarm end telegram, the alarm does not stop automatically. Switch it off using 'Press down direction pushbutton'.

When a **bell pushbutton** is pressed, an acoustic signal sounds at a rate of 2 seconds until the bell pushbutton is released, but it sounds at least 3 times. If a bell pushbutton is pressed continuously, the maximum bell sounds for 1 minute. Alarm has priority over bell.

If a **universal pushbutton (UT)** is pressed, the alarm switches on after a response delay of 10 seconds. Switch off the alarm using 'Press down direction pushbutton'.

Teach in wireless outdoor siren FAS260SA:

Press MODE and select the *learn* **function** with MODE. The display shows *wait for telegram.* Then press SET for longer than 2 seconds. The display shows *wait for FAS260SA.*

■ If the siren is to be taught in directly, one or the sirens must send a teach-in telegram. When the telegram is received, *directly paired* appears in the display.

■ If the sirens have to be taught in via a repeater, press SET for longer than 2 seconds. The display shows *rep. autom. wait for FAS260SA.* A siren must now send a telegram. If the telegram is received via a repeater, *paired with the repeater* appears in the display. However, if the telegram was recieved directly, *directly paired* appears in the display.
Important: If the siren was taught in via a repeater, the function is only permitted with this repeater.

Communication monitoring:

If communication to the wireless outdoor siren FAS260SA is interrupted, a cyclical signal sounds approx. 10 seconds after alarm standby is activated, the LED lights up red and the message *error siren press SET to acknow.* appears in the display.

Clear wireless outdoor siren FAS260SA:

Press MODE and then press SET to search for the *clear* **function.** Press MODE to select. Press SET to select the *siren* option and press MODE to confirm. Then press SET to select the siren to be cleared and press MODE to confirm. The message *press SET to erase* appears in the display. When the function is started by pressing SET; the message *erasinf finished* appears in the display after the clear process. Press MODE to confirm. If *press SET to erase* is confirmed with MODE, the message *erasing cancelled* appears in the display and the display

revert to the standard display after 2 seconds.

Use FAC65D only as actuator feedback display:

Press MODE and then press SET to search for the *setup* **function.** Press MODE to select. Press SET to select the **display** mode and press MODE to confirm. Then go to the *display lighting* option and press SET to select either *interval* or *permanent.* Press MODE to confirm and 6 zeroes (**0**) appear in the display.

Display message:

0 = actuator off (actuator feedback 0x50 or 0x10)

I = actuator on (actuator feedback 0x70 or 0x30)
Press SET to browse through the entries for all taught-in feedbacks.

LED indicator:

green = all actuators are off
red = at least one actuator is on

Teach in actuator feedbacks:

Up to 6 actuator feedbacks can be taught in. Press MODE and select the *learn* **function** with MODE. The display shows *wait for telegram.* Then one of the actuators must send a feedback. When the telegram is received, the message *telegram received* appears in the display and the name, e.g. *RM 1.* Press MODE to confirm and *edit name* appears in the display. Now you can change the name, e.g. kitchen. Press SET to edit and press MODE to confirm. When you press SET for longer, the letters or numbers scroll rapidly. To change direction, release and press for longer. The characters provided include 10 digits, capital letters, small letters, numbers and special characters. When your entry is complete or by pressing MODE for longer than 3 seconds, the sensor and its name are saved and the standard display re-appears.

Teach in FAC65D 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.

ID of the FAC65D:

Press MODE and then press SET to search for *ID.* The display shows the ID of the FAC65D.

It is easier to configure the FAC65D using **PCTool PCT14 (Version 8.0 or higher),** in

conjunction with the DAT71 data transmitter.
The FAC65D sends confirmation telegrams according to EEP A5-38-08.
Teach-in telegram: 0xE0400D80
Data telegram: 0x01000008 = no message or all actuators off.
0x01000009 = at least one sensor signals an alarm or at least one actuator is on.
A status telegram is sent approx. every 10 minutes.