

Wireless sensor

Timer FSU65D 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 timer with display and with 8 channels for single mounting 84x84x30mm or mounting into the E-design switching system. With 'astro' function and solstice time changes. Only 0.2 watt standby loss.

Power supply 12V DC.

A 20cm long red/black connecting wire is routed to the rear.

The complete module can be removed from the frame for screw mounting.

We recommend stainless-steel counter-sunk screws 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes. Set of 2 stainless-steel counter-sunk screws 2.9x25mm and plugs 5x25mm are enclosed.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover. Ca. 7 days power reserve without battery.

**The timer is set using the MODE and SET buttons and the settings can be interlocked.**

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

\* **Set language:** Every time the power supply is applied, press SET within 10 seconds to set the language and press MODE to confirm. *deutsch, english, francais, espanol and italiano.*

The normal display then appears: week-day, date and time.

**Rapid scroll:** In the settings below, the numbers increment rapidly when you press and hold down the input button for longer. Release then press and hold down to change the scroll direction.

**Set clock:** Press MODE then press SET to search for the **clock function**. Select by pressing MODE. Press SET to select the hour, then press MODE to confirm. Proceed in the same way to select the minutes.

**Set date:** Press MODE then press SET to search for the **date function**. Select by pressing MODE. Press SET to select the year, then press MODE to confirm. Proceed in the same way for month and day. The last setting in the sequence is the weekday. Press SET to set it.

**Set geographic position (if the astro function is required):** Press MODE then press SET to search for the **position function**. Select by pressing MODE. At *lat.* press SET to select the latitude and press MODE to confirm. Repeat this procedure to select the longitude and press MODE to confirm. Then press SET to select the time zone and press MODE to confirm. The last settings in the sequence are the winter solstice and summer solstice. If required, press SET to select a time shift by up to  $\pm 2$  hours and press MODE to confirm.

**Manual switching:** Press MODE then press SET to search for the **operating-mode function**. Select by pressing MODE. Press SET to change the channel and press MODE to confirm. Then press SET to select between *automatic, on* or *off*. When you press MODE to confirm *on* or *off*, the appropriate telegram is sent immediately. When you press MODE to confirm automatic, switching programs are executed.

Exit the operating mode by pressing and holding down MODE for longer than 2 seconds.

**Summer/winter time changeover:** Press MODE then press SET to search for the **summer/wintertime automatic function**. Select by pressing MODE. Then press SET to change between *active* and *inactive*. When you select *active*, switch-over takes place automatically.

**Teach in channels in actuators:** Press MODE then press SET to search for the **learn function**. Select by pressing MODE. Press SET to change the channel and press MODE to confirm. Then press SET to change change between *on* and *off*. When you press MODE to confirm *on*, press SET to *send* to teach in the on function in an actuator which is ready for teach-in. *off* is taught-in using the same procedure.

Exit the teach-in mode by pressing and holding down MODE for longer than 2 seconds.

**Switch random mode on/off:** Press MODE then press SET to search for the **random function**. Select by pressing MODE. Then press SET to change between *inactive* and *active*. When you select *active*, the switching times of all channels are shifted at random by up to 15 minutes. Switch-on times to earlier and switch-off times to later.

**Lock settings:** Briefly press MODE and SET together and at lock press SET to *lock*. This is displayed by an arrow next to the lock symbol.

**Unlock settings:** Press MODE and SET together for 2 seconds and at *unlock* press SET to unlock.

### Enter switching programs:

Press MODE and then press MODE again to select the **programs function**. Press SET to select the program you want to edit (P01-P60). Press MODE to confirm and then press SET to select *active* or *inactive*. When you press MODE to confirm *inactive*, the normal display appears. When you press MODE to confirm *active*, press SET to select between *off, on, c.-off* (central off), *c.-on* (central on) or *c.-end* (central end). The central commands may have priority with some actuators if the teach-in telegram was taught-in. To cancel this priority using the timer, select *c.-end*.

When you press MODE to confirm, press SET to select the channel (1-8). After you press MODE to confirm, the time appears in the display.

Press SET to select between *time, sunset* or *sunrise*.

- When you press MODE to confirm the time, press SET to set the hour. Then press MODE to confirm and press SET to set the minute.

- When you press MODE to confirm *sun-set*, press SET to set the time difference (+2/-2 hours). First the hour, then, after you press MODE to confirm, the minute.

- When you press MODE to confirm *sun-rise*, press SET to set the time difference (+2/-2 hours). First the hour, then, after you press MODE to confirm, the minute.

After you press MODE to confirm, press SET to enable a whole week or single week days. Then press MODE to confirm. After you complete your input, the normal display reappears. If you press and hold down MODE during a confirmation for longer than 2 seconds, the changed values are saved and the normal display reappears.

20 seconds after you last press MODE or SET, the program returns automatically to normal display. An incomplete memory location input is not saved.

If a combination of a time and astro time (*sunrise* or *sunset*) are being entered for one channel on the same day, then two adjacent memory locations and then the first memory location of it should be used for *on*. Then a validation check will be carried out.

The supply voltage must be switched off and on to immediately carry out input programs retrospectively.

### Clear all memory locations:

Press MODE then press SET to search for the **clear all programs function**. Select by pressing MODE. When you press SET to confirm *press SET to erase, erasing finished* appears in the display on completion of the clear operation. Press MODE to confirm. When you press MODE to confirm *press SET to erase, erasing cancelled* appears in the display and the normal display reappears after 2 s.

### Longitude and latitude in Germany

time zone (GMT): +1, summer time: +2

	<i>lat.</i>	<i>long.</i>
Berlin	52	13
Bremen	53	9
Dresden	51	14
Düsseldorf	51	7
Erfurt	51	11
Hamburg	53	10
Hanover	52	10
Kiel	54	10
Magdeburg	52	12
Mainz	50	8
Munich	48	11
Potsdam	52	13
Saarbrücken	49	7
Schwerin	54	11
Stuttgart	49	9
Wiesbaden	50	8

more places on  
[www. maps-google.de](http://www.maps-google.de)

**ELTAKO GmbH hereby declares that the products that relates to this operating manual, are in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC. A copy of the EU declaration of conformity can be requested at the address below.**

**Must be kept for later use!**

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