Eltako
ELECTRONICS

Display timer
FSU12D -12 V DC

CE

! Note: Select English language !*

Display timer with 8 channels for the Eltako RS485 bus. Only 0.3 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting.
1 module = 18 mm wide, 58 mm deep.

Connection to the Eltako RS485 Bus, terminals RSA and RSB.

A 12 V DC voltage is supplied from a switching power supply unit SNT12-12 V DC which has a width of only 1 module.

One FAM12 wireless antenna module and up to 10 FTS12EM pushbutton input modules and timers FSU12D per FAM12 may be switched in series to the RS485 bus.

If the lines of the RS485 bus are longer than 2 m, a terminal resistor of approx. 220 ohms must be connected **to the last actuator** under the terminal RSA/RSB.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover. Ca. 20 days power reserve without battery.

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

*Set language: Every time the power supply is applied, press SET within 10 seconds to set the language and press MODE to confirm.
D = German, GB = English, F = French, IT = Italian and ES = Spanish.
The normal display then appears: weekday, time, day and month.

Rapid scroll: In the following settings, the numerals scroll rapidly when you press and hold down Enter. Release then press and hold down to change the scroll direction.

Set clock: Press MODE then at PRG (program) press SET to search for the **CLK function.** Press MODE to set. In H, press SET to select the hour and press MODE to confirm. In M proceed in the same way to set the minute.

Set date: Press MODE then at PRG press SET to search for the **DAT function.** Press MODE to select. At Y, press SET to select the year and press MODE to confirm. Proceed in the same way at M to set the month and at D to set the day.

The last setting in the sequence is MO (weekday) blinking. Press SET to set it.

Summer/winter time changeover: Press MODE then at PRG press SET to search for the **SWT function** and press MODE to select. Now press SET to switch between ON and OFF. If you select ON, changeover is automatic.

Identification number: Up to 10 timers can be identified in the RS485 bus. 0 is saved at the factory. Press MODE then at PRG press SET to search for the **ID function.** Press MODE to select, then press SET to search for a number and press MODE to select.

Teach in channels in actuators: Press MODE then at PRG press SET to search for the **LRN function** and press MODE to select. At CH press SET to select the channel and press MODE to confirm. Now press SET to switch from ON to OFF. If you press MODE to confirm ON, LRN+ flashes and the ON function is taught in a teachable actuator. The procedure is identical to teach-in OFF.

Switch random mode on/off: Press MODE then at PRG press SET to search for the **RND function** and press MODE to select. Press SET to set to ON (RND+) or OFF (RND) and press MODE to confirm. When random mode is switched on, all switch-on time points of all channels are shifted at random by up to 15 minutes. Switch-on times are switched earlier and switch-off times are switched later.

Lock settings: Briefly press MODE and SET together and at LCK, 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 UNL press SET to unlock.

Entering timer programmes: Press MODE and at PRG press MODE to select the memory location selection menu. Press SET to search one of 60 memory locations from P01 to P60. Press MODE to confirm.
To deactivate memory locations, press SET to switch over from ACT+ to ACT. After pressing MODE to confirm ACT+, press SET and MODE consecutively to enter ON/OFF, channel number CH, hours H, minutes M and active weekdays from MO to SU. Press SET in each case to change and press MODE to confirm.
After confirming SU, the memory location is entered completely. If you press and hold down MODE during a confirmation for longer that 2 seconds, the changed values are saved and the normal display reappears.
20 seconds after the last MODE or SET operation, the program automatically reverts to the normal display.

Program examples:

P 01/CH1/ON/7:50/MO+:
The light on Channel 1 switches on at 7:50 on Mondays.

P 02/CH1/OFF/8:50/MO+:
The light on Channel 1 switches off at 8:50 on Mondays.

P 03/CH1/ON/20:00/MO+:
The light on Channel 1 switches on at 20:00 on Mondays.

P 04/CH1/OFF/21:00/MO+:
The light on Channel 1 switches off at 21:00 on Mondays.

P 05/CH2/ON/10:00/SU+:
The light on Channel 2 switches on at 10:00 on Sundays.

P 06/CH2/OFF/12:00/SU+:
The light on Channel 2 switches off at 12:00 on Sundays.

P 07/CH3/ON/6:00/WE+/TH+:
The light on Channel 3 switches on at 6:00 on Wednesdays and Thursdays.

P 08/CH3/OFF/6:30/WE+/TH+:
The light on Channel 3 switches off at 6:30 on Wednesdays and Thursdays.

P 09/CH4/ON/9:15/MO+/TU+/WE+/TH+/FR+/SA+/SU+:
The light on Channel 4 switches on at 9:15 every day.

P 10/CH4/OFF/9:45/MO+/TU+/WE+/TH+/FR+/SA+/SU+:
The light on Channel 4 switches off at 9:45 every day.

Clear all memory locations: press and hold down MODE and SET simultaneously for 2 seconds and press SET to confirm RES in the display.

Important reminder!

This electrical equipment may only be installed by skilled electricians otherwise fire hazard or danger of electric shock exists!