



Wireless actuator

Roller shutter switch economy

FRS61E-230V

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%.

1+1 NO contacts not potential free
4A/250V AC, zero passage switching.
Bidirectional wireless switchable. Only
0.8 watt standby loss.

For installation. 45 mm long, 55 mm
wide, 33 mm deep.

Supply voltage, switching voltage and
control voltage local 230V.

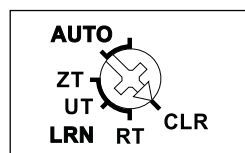
If supply voltage fails, the device is
switched off in defined mode.

In addition to the wireless control input
via an internal antenna, this wireless
actuator can also be controlled locally
by a conventional 230V control switch if
fitted previously.

Bidirectional wireless is switchable.

Every change in state and incoming central
command telegrams are then confirmed
by a wireless telegram. This wireless
telegram can be taught-in in other
actuators, in the GFVS software and in
universal displays.

Function rotary switch



Using the rotary switch, up to 35 wireless
pushbuttons are taught in **as central
control pushbutton (ZT)** without priority,
direction pushbutton (RT) or **universal**

pushbutton (UT).

Function: Group switch and release delay
200 seconds. Wireless pushbuttons can
be taught in with both the functions 'Up-
Stop-Down-Stop' as universal pushbuttons
or as local pushbuttons as well as wire-
less pushbuttons and roller shutter
double pushbuttons can be taught in as
direction pushbuttons with press top for
'up' and bottom for 'down'. Press briefly
to stop the movement.

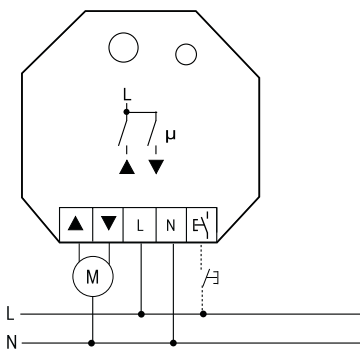
**When you teach in an FTK wireless
window/door contact or a Hoppe win-
dow handle**, a lock out protection is
set when doors are opened to prevent
Central Down.

The LED performs during the teach-in
process according to the operating
instructions. It shows wireless control
commands by short flickering during
operation.

Technical data

Rated switching capacity	4A/250V AC
Inductive load	650 W
$\cos \varphi = 0.6/230V$ AC	
inrush current $\leq 35A$	
Local control current at 230V control input	3.5 mA
Max. parallel capacity (approx. length) of the local (30m) control line	0.01 μF
Standby loss (active power)	0.8 W

Typical connection



Teaching-in wireless sensors in wire- less actuators

**All sensors must be taught-in in the
actuators so that they can detect and
execute commands.**

Teaching-in actuator FRS61E-230V

The teach-in memory is empty on delivery
from the factory. If you are unsure whether
the teach-in memory contains something
or not, **you must first clear the memory
contents completely:**

Turn the rotary switch five times to the
left stop CLR (turn anticlockwise) and
and away again. The red LED stops
flashing and goes out after 2 seconds.
All taught-in sensors are cleared and the
confirmation telegrams are switched off.

Clear individual taught-in sensors:

Set the rotary switch to clear. The LED
flashes at a high rate. operate the sensor.
The LED goes out.

Teaching-in sensors:

1. Use the upper rotary switch to select
the required teach-in function. The LED
flashes at a low rate.

The flashing of the LED as soon as a
new setting range has been reached
when turning the rotary switch helps to
find the desired position reliably.

UT= Teach in universal pushbutton
'Up-Stop-Down-Stop' and FTK window/
door contact.

RT = Teach in upper part of direction
pushbutton as 'Up' and lower part as
'Down' and 'Stop' in each case;

Direction pushbuttons are taught in
fully automatically when pressed.

ZT = Teach in upper part of central
button as 'Up' and lower part as
'Down';

Central pushbuttons are taught in fully
automatically when pressed.

2. Operate the sensor to be taught-in.
The LED goes out.

To teach-in further sensors, turn the middle
rotary switch briefly away from the
position. Continue the procedure from
pos 1.

After teach-in, turn the rotary switch to
AUTO.

Switch-on confirmation telegrams:

For deliveries ex-works the confirmation
telegrams are switched-off. Turn the rotary
switch five times to the right stop (turn
clockwise) and then back away. The LED
lights up for 2 seconds. The confirmation
telegrams are switched-on.

Switch-off confirmation telegrams:

Turn the rotary switch five times to the
right stop (turn clockwise) and then back
away. The LED lights up for 0.5 seconds.
The confirmation telegrams are
switched-off.



When an actuator is ready for
teach-in (the LED flashes at a
low rate), the very next incoming
signal is taught-in. Therefore,
make absolutely sure that you
do not activate any other sensors
during the teach-in phase.

**ELTAKO GmbH hereby declares that the
products that relates to this operating
manual, are in compliance with the
essential requirements and other rele-
vant provisions of directive 1999/5/EC.**

**A copy of the EU declaration of confor-
mity can be requested at the address
below.**

Must be kept for later use!

Eltako GmbH

D-70736 Fellbach

+49 711 94350000

www.eltako.com