



61 200 430 - 2

Impulse group switch for central control EGS61Z-230 V



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%.

**valid for devices from production week
25/18** (see bottom side of housing)

1+1 NO contacts not potential free 10 A/250 V AC,
for one 230 V AC motor.

Standby loss 0.4 watt only.

For installation and surface mounting.
45 mm long, 45 mm wide, **32 mm deep.**

This impulse group switch serves to implement
commands generated by the sensor relays or
by switches and pushbuttons and controls a
230 V motor for a shading element or a roller
shutter.

230 V control voltage, supply voltage and
switching voltage.

The same control voltage must be supplied
to A1, A7 and A8 as to L.

**By using bistable relays coil power loss and
heating is avoided even in the on mode.**

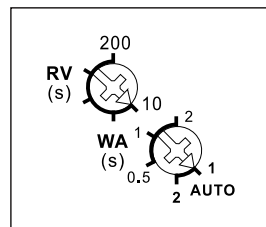
The switched consumer may not be connect-
ed to the mains before the short automatic
synchronisation after installation has ter-
minated.

A universal pushbutton connected to control
input A1 controls the pulse signals for 'up,
stop, down, stop'. A direction pushbutton for
'down' can be connected via the diode RTD
(any polarity). Another direction pushbutton
for 'up' is connected directly to A1. On the
first control pulse 'down', EGS61Z switches
over the control input A1 to 'direction push-
button'. To switch the control input back to
'universal pushbutton', briefly switch off the
power supply and switch back on. Additional

control inputs A7 and A8 can be used for central
control UP or DOWN with priority.

With priority because these control inputs
cannot be overridden by other control inputs
as long as the central control contact is
closed. 'UP' or 'DOWN' is activated by a control
signal. A further control signal (< 700 ms) at
this control input interrupts this process
immediately, a further control signal (> 700 ms)
continues the process.

Function rotary switches



The time delay (delay time RV) is set by
means of the rotary switch **RV**. If, the group
impulse switch is in the 'UP' or 'DOWN' position
the selected delay time runs (elapses); at
time-out the device changes automatically
to 'STOP'. Therefore, the time delay must be
chosen at least as long as the shading element
or roller shutter will need to move from one
limit position to the other.

With the rotary switch **WA** automatic reversal
is controlled: in the setting from 0.5 to
2 sec. reversal time the automatic reversal
is activated. In this case, it is only for
'DOWN' that the direction is reversed on
time-out of the time lag selected by means
of the top rotary switch RV, e.g. to extend
awnings or set Venetian blinds to a defined
position.

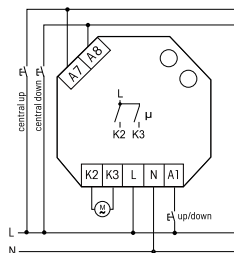
AUTO 1: No automatic reversal and no local
advanced automatic reversing system.

A7, A8 and direction pushbutton: Operation
<1s → static process (contact closes only
during operation)

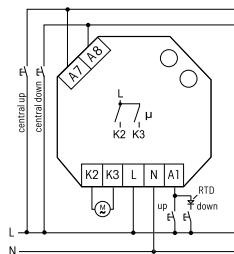
Operation >1s → dynamic process (contact
remains closed), stop command by new
operation.

AUTO 2: Automatic reversal with 1s reversal
time. Additionally the local advanced auto-
matic reversing system for Venetian blinds
with universal pushbutton at A1 is active: a
double impulse activates a slow rotation in
the opposite direction, which can be
stopped with a further impulse.

Typical connection UT



Typical connection RT



Technical data

| | |
|---|-----------------|
| Control voltage | 230 V |
| Rated switching capacity | 10 A / 250 V AC |
| Inductive load | 650 W |
| cos φ = 0,6 / 230 V AC | |
| Max./min. temperature at mounting location | +50°C / -20°C |
| Control current A1, resp. A7-A8 at 230 V ±20 % | 0.7 mA |
| Standby loss (active power) at 230 V | 0.4 W |

Manuals and documents in further
languages:



<http://eltako.com/redirect/EGS61Z-230V>



Must be kept for later use!

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