



# **ES 30**

## **Triac controller**

**Controller for lighting, halogen light  
transformers or fan motors**

**Description:**

Controller intended for fan motors. Can also be used for control of lighting and transformers.

The controller fits the LK Fuga series and the unit can be mounted together with standard mounting components.

The control principle is leading edge.

**Important:**

Disconnect power prior to mounting. Be careful adjusting the minimum voltage.

For the best adjustment result, adjustable fan motors are recommended.

The motor speed is a result of the load on the motor shaft and the voltage supplied by the controller. If the ventilation plant is not dimensioned correctly either with too small ducting or too big ducting the motor will typically be operating at full speed.

To adjust an electronic transformer with a triac controller, the transformer must be designed for use with a triac controller.

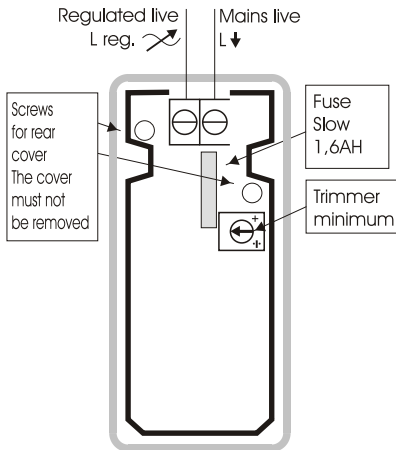
**Mounting:**

The controller must be mounted in LK mounting unit for Fuga outlet box.

The ES30 is fixed with the 2 screws under the cover plate until safely secured.

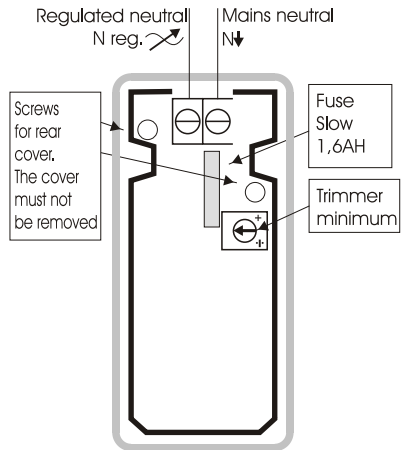
## Connection diagram:

### Regulated live



Controller rear view

### Regulated neutral



Controller rear view

## Adjustment:

The ES30 is supplied from the factory with a preset minimum output voltage of 80V AC.

**Connection to lighting.** The trimmer is set at the point in which the light just starts to light when the controller is turned on.

**Connection to fan motor.** The trimmer is set at the point in which the motor starts up when the controller is turned on. If the motor is exposed to a high counter pressure, the minimum should be set at a higher level to ensure that the motor starts up in all situations.

**Connection of transformer.** The trimmer is set in the point in which the light just starts to light.

### Technical data:

Supply	:	230V +6% -10%
Frequency	:	50/60 Hz
Max. load	:	1,5A
Max mains fuse	:	13A
Max internal fuse	:	T1,6A H
Power	:	345VA
Enclosure	:	IP20 normaltæt
Dim. excl. base h*b	:	78 * 50
Colour	:	Grå eller hvid afh. af type
Weight	:	100g
Op. temperature	:	0 - 40 gC
Output voltage	:	70 - 225V +6% -10%
Adjustment of minimum	:	70 - 160V +6% - 10%

### Product key

Product no.	Type	Description
1-01-01	ES30	Excl. mounting base grey grå
1-01-02	ES30	Excl. mounting base white
1-01-03	ES30	1P / single pole switch grey
1-01-04	ES30	1P / single pole switch white
1-01-05	ES30	DK / double pole switch grey
1-01-06	ES30	DK / double pole switch white
1-01-07	ES30	1PG / single pole w/red glove lamp grey
1-01-08	ES30	1PG / single pole w/red glove lamp white
1-01-09	ES30	KU / mounted in base without switch grey
1-01-10	ES30	KU / mounted in base without switch white

### The products comply with the following CE directives:

LDV 73 / 23 / EØF  
EMC 89 / 336 EØF



### Distributor: