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AS-220T

Staircase lighting timer
with switch-off indication



519024311674148

Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.



Purpose

Staircase lighting timer (time switch) is used to keep the lighting on in corridors, staircases or other places for a certain period of time, after which the lighting will be switched off automatically.

Functioning

When activated by momentary (bell) switch the staircase lighting timer keeps the lighting switched on for the time set by the potentiometer (from 0.5 to 10 minutes), after which the brightness of the lighting system is reduced to the level set by the potentiometer (from 25 % to 70 %) for 30 seconds.

Only after this time will the lighting be completely switched off (sudden darkness is avoided, there is time for safe access to the switch). During the reduced brightness the subsequent signal from the switch will switch the lighting back on to full brightness. The device can operate in one of two modes: with anti-lock on or off, and the choice is made by the installer during the installation (shorting the selection input to the phase voltage or leaving it unconnected).

The anti-lock function prevents the lighting from being constantly on in case the staircase lighting timer is locked (for example with a match). If that happens, the device will time the preset time and switch off the lighting. The lighting can be switched on again after the lock has been removed.



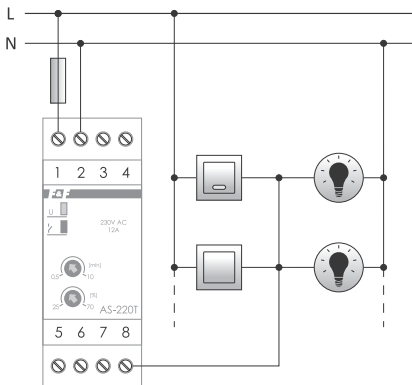
The anti-block function works only when connected to a 4-wire installation.

The operation of the device with the anti-lock function switched off allows the unit to be used along the motion sensors. When the motion sensor is triggered and its operating contact is closed, the light will be on at full power. If the motion sensor contact opens and the time set on the staircase lighting timer runs out earlier, then the brightness of the light will be reduced to the set power for a period of 30 s. If the motion sensor contact opens before the time set on the staircase lighting timer runs out, the lighting remains on for the remaining time and is then reduced.

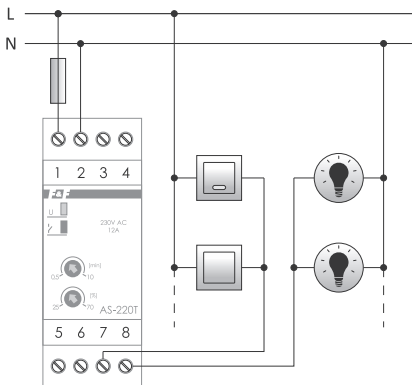
Mounting

1. Disconnect the power supply.
2. Mount the device on a rail in the distribution box.
3. Connect to the circuit according to the diagram.
4. Set the operating time using a flathead screwdriver.
5. Set the reduced brightness level.
6. Switch on the power supply and verify that the device is working correctly.

Connection diagram



3-wire installation



4-wire installation



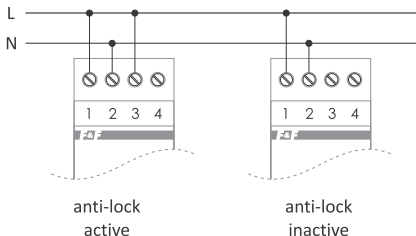
AS-220T can work with backlit buttons.



The device does not work with lamps not adapted to phase control such as fluorescent lamps, compact fluorescent lamps or other lamps with electronic starter.



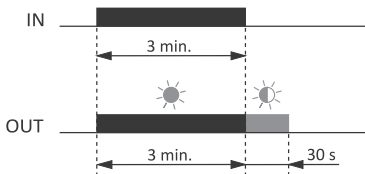
The device works with dimmable LED lighting (phase control).



Description of terminals

- 1, 2 power supply 230 V
- 3 operating mode selection input
- 7 button input, operation in 4-wire circuit
- 8 device output as well as the button input when operating in 3-wire circuit

Time courses



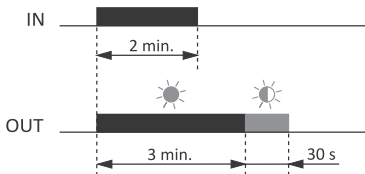
Set times:

AS-220T: 2 min.

motion sensor (IN): 3 min.

 brightness 100%

 reduced brightness




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 brightness 100%

 reduced brightness

Technical data

power supply	195÷253 V AC
contact	1×NO
maximum load current (AC-1)	12 A
on delay	<1 s
pff delay (adjustable)	30 s÷10 min.
duration of reduced lighting	30 s
reduced brightness adjustment	25÷70%
anti-lock (selected by the user)	ON/OFF
power consumption	approx. 1 W
terminal	4.0 mm ² screw terminals (wire) 2.5 mm ² screw terminals (cord)
tightening torque	0.5 Nm
working temperature	-25÷50°C
dimensions	2 modules (35 mm)
mounting	on TH-35 rail
ingress protection	IP20

Power table

				
tungsten	halogen	fluorescent	energy-saving	LED
1500 W	1100 W	700 W	350 W	200 W

The above data are indicative and will heavily depend on the design of a specific receiver (that is especially important for LED bulbs, energy-saving lamps, electronic transformers and pulse power supply units), switching frequency and operating conditions.

For more information visit: www.fif.com.pl.

Warranty

The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us.

CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE. The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at www.fif.com.pl on the product page.