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STEINEL®

NightMatic 3000

Vario

- (D)** Bedienungsanleitung
- (GB)** Operating instructions
- (F)** Mode d'emploi
- (NL)** Gebruiksaanwijzing
- (I)** Istruzioni per l'uso
- (E)** Instrucciones de montaje
- (S)** Bruksanvisning
- (DK)** Brugsanvisning
- (FIN)** Käyttöohje
- (N)** Bruksanvisning



STEINEL®

GB Installation instructions

Dear customer,
Thank you for the confidence that you have placed in us in purchasing your new

STEINEL NightMatic 3000 Vario. Please familiarise yourself with these instructions before installation.

We hope that you enjoy this high quality product.

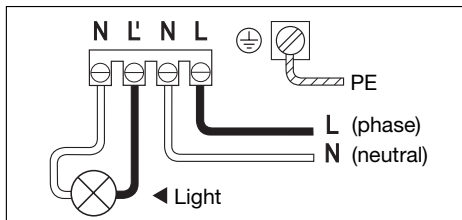
Principle

The built-in photo-sensor records the brightness of the surroundings and swit-

ches the connected light fixture on when darkness falls, off again if required in

night economy mode, and on again in the darker early morning hours.

Installation



Wall mounting

Warning: installation involves a mains connection. With 230 V, a risk of electrocution exists! Therefore, switch off the power first and check freedom from voltage with a voltage tester.

Installation of the photo-electric lighting controller involves work on the mains power supply; this work must therefore be carried out professionally in accordance with regulations. Please note that the photo-electric lighting controller must be protected by a 10 A circuit breaker. The mains supply lead must be no greater than 10 mm in diameter.

The NightMatic 3000 Vario can be installed directly ad-

6 adjacent to the light fixture, if desired. A microprocessor distinguishes between the surrounding and consumer light, thereby ensuring constant light measurements.

Switchless operation is recommended for optimum functioning.

Using a screwdriver, loosen the four screws on the housing by turning anti-clockwise and remove the housing cover. Hold the electronic housing against the wall and mark the drilling holes. Pay attention to the cable runs in the wall. Drill the holes and insert plugs.

During installation, ensure that the leads are always inserted from below if possible. Before screwing

on the housing, pierce the condensation water holes at the bottom.

Connection

The appliance has the following marked connections:

N = neutral terminals (2 x, usually blue)
L = phase terminal (usually black or brown)
L' = connection to the switched phase

If in doubt, the cable must be identified with a voltage tester.

The phase (L) and neutral (N) conductors are to be connected according to the terminal assignment. The service lead (light fixture) is connected to the second neutral terminal (N) and phase (L').

Any green/yellow protective-earth conductors present must be secured to the clamp provided.

Important: if the connections are reversed, this will cause a subsequent short circuit in the unit or your fuse box. In this case, the individual conductors must be reidentified and reinstalled.

Operation/ function

After the mains connection has been made, the connect-

ed consumer illuminates for approx. 8 seconds.

Light measurement is subsequently activated.

Twilight setting:

The factory-adjusted light threshold of approx. 1 lux can be modified inside the appliance as follows: at the desired switching brightness, press the button (refer to

drawing) with a ball-point pen or similar object and hold until the LED display switches on and off. Release the button. The surrounding light is recorded for approx.

10 sec. (the connected consumer is switched off, if required). From now on, the light fixture will be switched on under these light conditions.

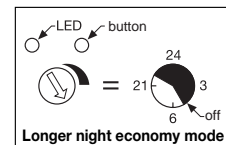
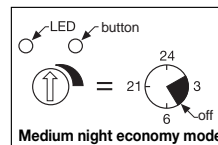
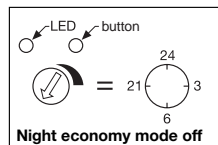
Setting of night economy mode:

The light fixture can be switched off automatically during the night for additional energy savings. Use the control inside the unit for continuous adjustment. As

supplied, the light switches itself off at approx. 1.30 a.m. The electronic system contains no clock. All the time values are calculated by the microprocessor ac-

cording to the twilight conditions. In doing so, seasonal modifications in the light conditions are automatically taken into account.

Examples of night economy mode:



Setting for the morning hours:

Night economy mode always ends in the early hours of the morning between approx. 4 and 5 a.m. Thereafter, the light fixture is switched on again when darkness falls (factory

setting). This function can be modified as follows: press the button briefly until the LED display illuminates. Release the button and the unit will toggle between the following setting options.

4 x flashing of the LED display = light fixture is switched on in the morning.
2 x flashing of the LED display = light fixture remains off in the morning.

Warning:

After the unit has been commissioned and the twilight setting readjusted, the light fixture will remain on continuously throughout the first night until the morning, in order to determine the current time values for the twilight conditions. Night

economy mode functions with these values during the subsequent nights and therefore constantly adjusts itself until optimum function is achieved. Therefore, always allow the electronic system a few days time to "learn" the new conditions

after commissioning and modification of the settings. All the values set are also retained if a power cut occurs. Do not dim the light sensor, in order to ensure trouble-free operation.

Technical data

Dimensions:	(H x W x D) 99 x 74 x 37 mm
Connection:	230/240 V, 50 Hz
Switching capacity:	max. 1000 watts (ohmic load, e.g. filament bulb) max. 500 watts (fluorescent lamps, $\cos \varphi = 0.5$)
Response threshold:	adjustable from approx. 0.5 to 10 lux (factory adjustment 1 lux)
Night economy mode:	variable switch-off at night (factory setting: off at approx. 1.30 a.m.)
Consumption:	< 0.8 W
Enclosure:	IP 54

Troubleshooting

Malfunction	Cause	Remedy
NightMatic 3000 Vario without power	<ul style="list-style-type: none"> ■ Fuse has blown, not switched ON, lead disconnected ■ Short-circuit 	<ul style="list-style-type: none"> ■ Replace fuse, switch ON mains switch, check wiring with voltage tester ■ Check connections
Light fixture does not switch ON	<ul style="list-style-type: none"> ■ Consumer faulty ■ No power supply ■ Surroundings still too bright 	<ul style="list-style-type: none"> ■ Change consumer ■ Refer to "NightMatic 3000 Vario without power" ■ Wait until switching brightness is achieved. Set a new switching value, if required, using the button
Light fixture does not switch OFF	<ul style="list-style-type: none"> ■ Surroundings not yet sufficiently bright 	<ul style="list-style-type: none"> ■ Wait until sufficient brightness achieved. Set a new switching value, if required (in the evening)
Light fixture does not switch ON in the morning	<ul style="list-style-type: none"> ■ Function not properly activated 	<ul style="list-style-type: none"> ■ Adjust function according to the section entitled "Setting for the morning hours"
Light fixture switches ON at an unusual time	<ul style="list-style-type: none"> ■ Switchover from summer to winter time ■ Incorrectly calculated switching times 	<ul style="list-style-type: none"> ■ Switching times are geared to brightness values. Adjust setting if required. ■ Readjust switching value (switching times are re-determined)

CE Declaration of conformity

This product complies with the European Directive on

Low-Voltage Appliances, 73/23/EEC and the EMC

Directive 89/336/EEC.

Functional Warranty

This STEINEL product has been manufactured with great care, and its operation and safety have been tested in conformity with the current regulations. Production is also submitted to final random-sample testing.

The warranty period is 36 months, starting on the date of sale to the user. We undertake to remedy faults caused by material or manufacturing defects. This warranty undertaking shall be performed by the repair or replacement of the defective parts, at our own discretion.

This warranty shall not cover damage to wearing parts or damage and faults caused by incorrect operation or maintenance. Breakage due to a fall is also not covered.

Further consequential damage to external items is excluded.

Claims under warranty shall only be accepted if the product is sent fully assembled and well packed complete with sales slip or invoice (date of purchase and dealer's stamp) to the appropriate Service Centre or handed in to the dealer within the first 6 months.

Repair Service:
Our Customer Service Department will repair faults not covered by warranty or after the warranty period. Please send the product well packed to your nearest Service Centre.

