

GB Installation Instructions

Dear Customer,
Many thanks for the trust that you have shown in purchasing your new

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

install the unit. With hope this high-quality product brings you lasting satisfaction.

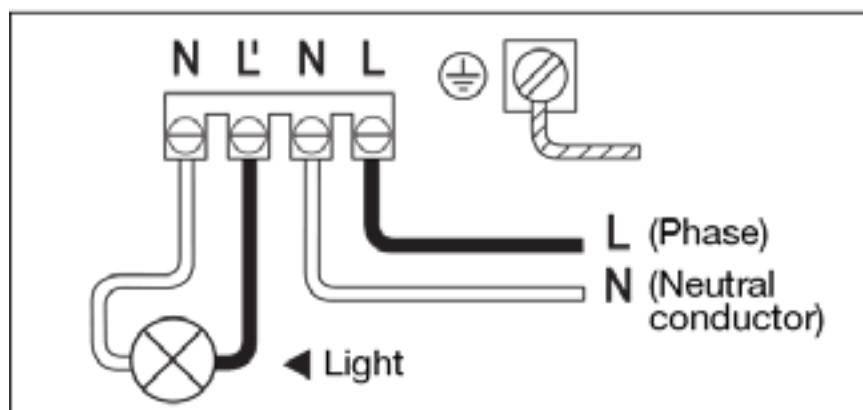
Principle

The built-in photosensor registers the ambient light level and switches the con-

nected light ON in the evening, OFF again in the night economy mode

(when selected) and, if you wish, ON again in the early hours of the morning.

Installation



When installing, make sure the wires are fed in from below wherever possible. Before screwing on the housing, pierce through the condensation water holes at the bottom.

Power

The unit has the following marked terminals:

N = neutral conductor terminals (2 x, usually blue)

L = phase conductor terminal (usually black, brown or grey)

L' = terminal for the switched phase. If you are in any doubt, identify the conductors using a voltage tester.

Connect the live conductor (L) and the neutral conductor (N) to the terminals provided for this purpose. Connect the load supply conductor (light) to the second neutral conductor terminal (N) and phase (L').

Any green/yellow protective earth conductor must be connected to the terminal provided.

Wall mounting

Caution: Installation means making connections to the mains power supply.

230 V means danger to life! Therefore, switch off the power first and use a voltage tester to make sure the wiring is off circuit.

Installation of the photo-cell controller involves work on the mains power supply; this means it must be done properly in accordance with VDE 100.

Please note that the photo-cell controller must be protected by a 10 A circuit breaker. The mains supply lead must be no greater than 10 mm in diameter.

If you wish, the NightMatic 3000 Vario can be installed directly next to the light. A microprocessor distinguishes between ambient and lamp light, ensuring constant light measurement.

For optimum performance it is recommended to operate the system without a switch.

Using a screwdriver, undo the four housing screws by turning them anti-clockwise and remove the housing cover. Hold the electronic system's housing against the wall and mark where to drill the holes, paying attention to any wiring already existing in the wall, drill holes; insert wall plugs.

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Important: Getting the cable connections crossed will produce a short circuit

in the unit or in your fuse box. In this case, you must check the identification of

all cables and re-connect them.

Operation/Function

After connecting to the mains power supply, the

load connected will light up for approx. 8 seconds.

Light measurement will now be activated.

Twilight setting:

The factory-set twilight response threshold of approx. 1 lux can be changed as follows inside the unit: At the ambient light level you want the light to come ON at,

press the button (see drawing) with a ball-point pen or similar object and keep it pressed until the LED indicator **switches ON and OFF** again. Now let the button go and the

ambient light level will be sensed for approx. 10 sec. (if necessary, the connected load will be switched 'OFF'). From now on, the light will switch ON under these light conditions.

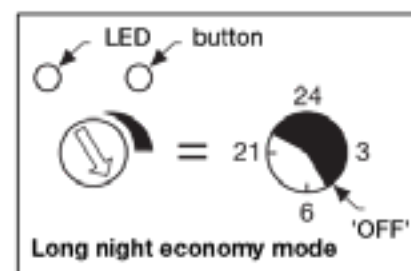
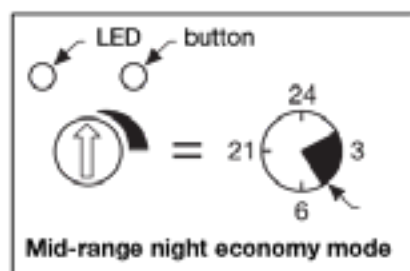
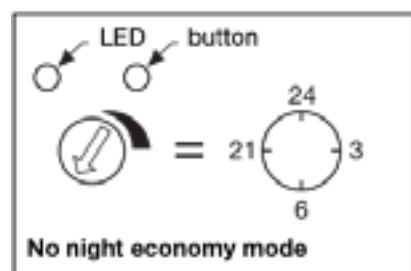
Night economy mode setting:

The light can be switched 'OFF' automatically at night to save even more electricity. Please use the control dial inside the housing for making the setting which can be infi-

nitely varied. The unit comes with a factory setting that switches the light 'OFF' at approx. 1.30 a.m. The electronic system does not have a clock. All times are computed by the

microprocessor on the basis of light levels at twilight. Seasonal changes in light levels are identified automatically and taken into account.

Examples of night economy mode:



Setting for morning hours:

The night economy mode always ends in the early hours of the morning between approx. 4 and 5 p.m. After then, the light switches 'ON' again automatically when it gets dark (factory setting).

This function can be changed as follows: Briefly press button until the LED indicator lights up and let button go. Now you can choose between the following settings:

LED indicator flashes 4 x = light switches ON in the morning.
LED indicator flashes 2 x = light stays OFF in the morning.

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Note:

After putting the unit into operation and defining the twilight setting for the first time, the light stays ON all through the first night until the morning so that it can determine light levels at dusk and dawn. The night economy mode works with

these values in the nights that follow and constantly optimises its setting. So, after putting the unit into operation for the first time and after changing the settings, always give the electronic system a few days time to "learn" the new light levels.

All values set remain intact even in the event of a power failure. Please do not shade the light sensor to ensure trouble-free operation.

Technical Specifications

Dimensions:	(H x W x D) 99 x 74 x 37 mm
Mains voltage:	230/240 V, 50 Hz
Switching capacity:	
	Incandescent lamps, 1000 W max. at 230 V AC
	Fluorescent lamp, 500 W max., at $\cos \varphi = 0.5$, inductive load at 230 V AC
	4 x 58 W max., $C \leq 88 \mu\text{F}$ at 230 V AC *1)
Response threshold:	adjustable from approx. 0.5–10 lux (factory setting 1 lux)
Night economy mode:	variable night 'OFF' time (factory setting: 'OFF' at approx. 1.30 a.m.)
Intrinsic power consumption	< 0.8 W
Protection class:	IP 54

*1) Fluorescent lamps, low-energy lamps, LED lights with electronic ballast (total capacity of all ballasts connected below the level stated).

Troubleshooting

Malfunction	Cause	Remedy
NightMatic 3000 Vario without power	■ Fuse has blown; not switched ON; break in wiring	■ New fuse, turn on power switch, check wiring with voltage tester
	■ Short-circuit	■ Check connections
Light does not switch ON	■ Bulb faulty	■ Change bulb
	■ No power supply	■ See "NightMatic 3000 Vario without power"
	■ Surroundings still too bright	■ Wait until ambient light reaches ON brightness; if necessary, define new switch-on value (using button)

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Malfunction	Cause	Remedy
Light does not switch OFF	■ Surroundings not yet bright enough	■ Wait until it is light enough; if necessary, define a new light ON brightness (in the evening)
Light does not switch ON in the morning	■ Function not properly activated	■ Set function as described in "Setting for morning hours"
Light switches ON or OFF at unusual times	■ Change from summer to winter time or vice versa	■ Switching times are geared towards light levels. Change setting if necessary
	■ Switching times incorrectly computed	■ Re-define switch-ON light level (switching times will be re-computed)

Disposal

Electrical and electronic equipment, accessories and packaging must be recycled in an environmentally compatible manner.



Do not dispose of electrical and electronic equipment as domestic waste.

EU countries only:
Under the current European Directive on Waste Electrical

and Electronic Equipment and its implementation in national law, electrical and electronic equipment no longer suitable for use must be collected separately and recycled in an environmentally compatible manner.

Manufacturer's warranty

This STEINEL product has been manufactured with utmost care, tested for proper operation and safety and then subjected to random sample inspection. STEINEL guarantees that it is in perfect condition and proper working order. The warranty period is 36 months and starts on the date of sale to the consumer. We will remedy defects caused by material flaws or manufacturing faults. The warranty will be met by repair or replacement of defective parts at our own discretion. This guarantee does not cover

damage to wearing parts, damage or defects caused by improper treatment or maintenance nor does it cover breakage as a result of the product being dropped. Further consequential damage to other objects shall be excluded. Claims under the guarantee 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:

If defects occur outside the warranty period or are not covered by warranty, ask your nearest service station for the possibility of repair.

3 YEAR
MANUFACTURER'S
WARRANTY