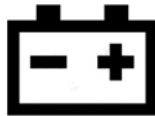


Emergency supply device NVG for the LOGICA system



At the model V90805L the NVG body must be mounted in a way that the connection poles of the battery block are located at the top!



Type: NVGEW
Order codes: V90800L (6,5 Ah)
V90801L (13 Ah)
V90802L (28 Ah)
V90803L (40 Ah)
V90805L (55 Ah)

Technical data:

Mounting: surface wall mounting

Body: ABS, plastic

Mains supply: 198 V AC to 254 V AC / 50 Hz

Ambient temperature: 0 °C to 40 °C

Output voltage (mains operation): 230 V AC / 50 Hz (sinus voltage)

Output voltage (emergency operation): 230 V AC / 50 Hz (square voltage)

or

230 V DC / 0 Hz

TOTAL OUTPUT POWER (OUT1 + OUT2):

Incandescent lamp: max. 120 W

Fluorescent lamp: max. 120 W

- **inductive control gear:** adjust „AC OUT“ (see page 3)

- **electronic control gear:** adjust „DC OUT“ (see page 3)

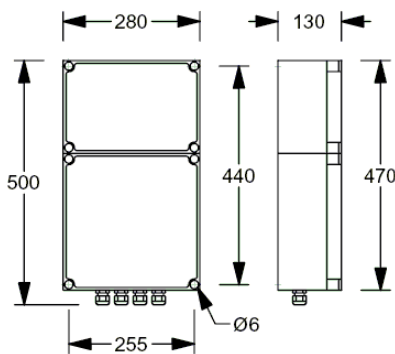
Output circuit fuses: 250 V / 1 A / time-lag / 5x20 mm

Battery type: lead acid battery

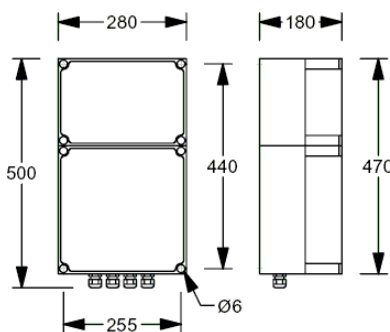
Battery block voltage: 12 V

Battery capacity: 6,5 Ah / 13 Ah (2x 6,5 Ah) / 28 Ah / 40 Ah / 55 Ah,
depending on model

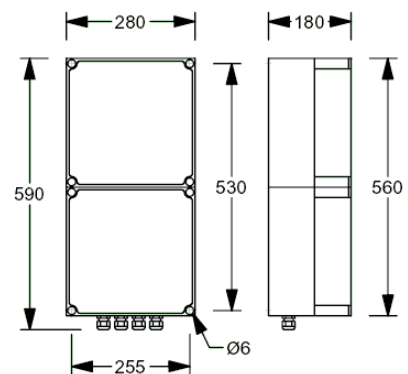
Duration (emergency lighting) : 1 h or 3 h (adjustable)



V90800L
V90801L



V90802L

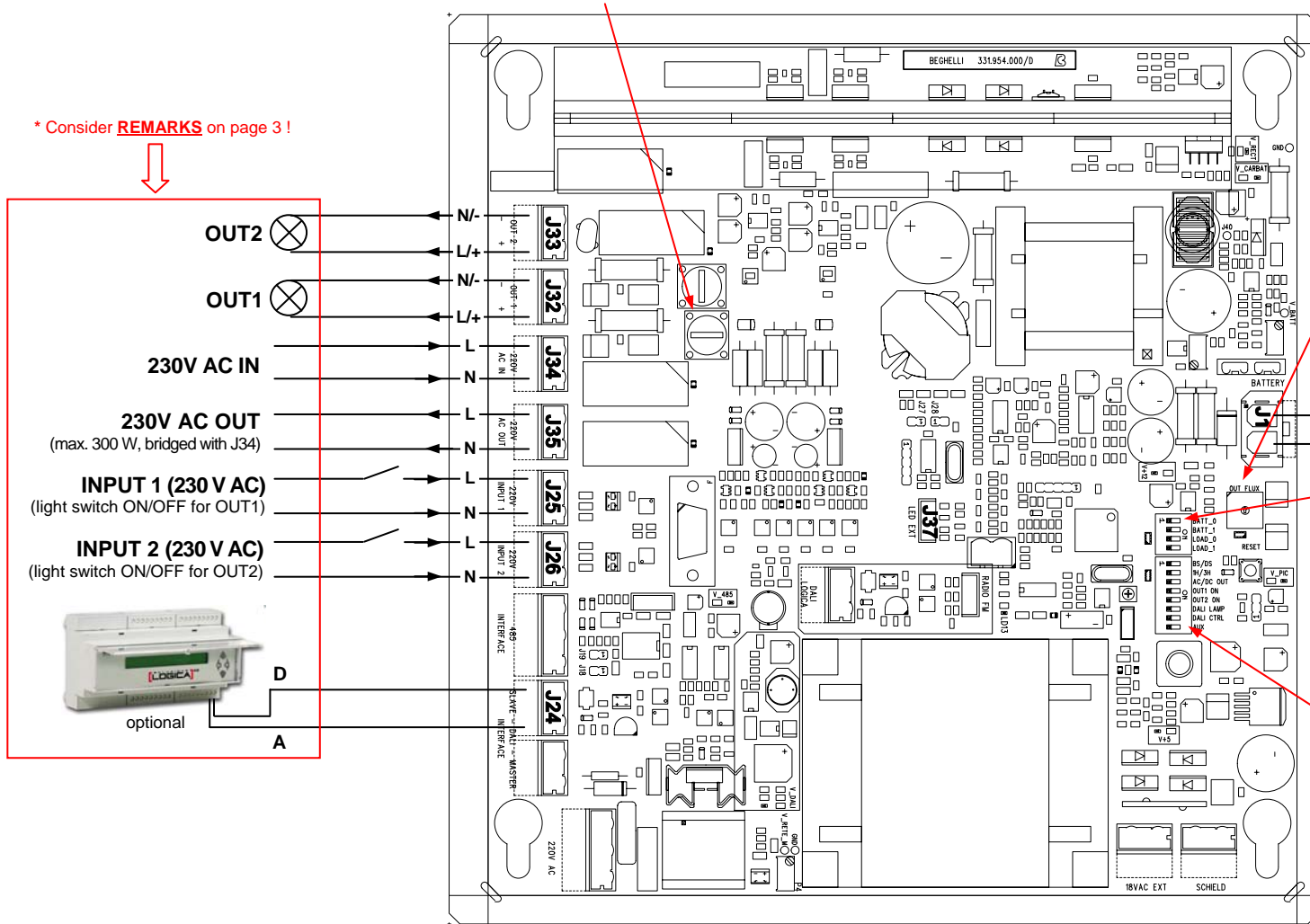


V90803L
V90805L

FUSES:

250 V / 1 A / time-lag / 5x20 mm

* Consider **REMARKS** on page 3!



ROTARY SWITCH SW3:
set always in position "0"

ATTENTION
CONNECT LOAD AT FIRST **BEFORE** SWITCHING ON NET
AND BATTERY VOLTAGE

BATTERY (12 V)

SW2:

DIP	Name	OFF	ON
1	BATT_0	battery capacity < 13 Ah	battery capacity > 13 Ah
2	BATT_1	not used	not used
3	LOAD_0	OUT1 power > 10 W	OUT1 power < 10 W
4	LOAD_1	OUT2 power > 10 W	OUT2 power < 10 W

SW1:

DIP	Name	OFF	ON
1	BS/DS	non-maintained operation (BS)	maintained operation (DS)
2	1H/3H	duration 1 h	duration 3 h
3	AC/DC OUT	AC	DC
4	OUT1 ON	OUT1 OFF	OUT1 ON
5	OUT2 ON	OUT2 OFF	OUT2 ON
6	DALI LAMP	not used	not used
7	DALI CTRL	not used	not used
8	AUX	normal operation	not allowed



optional

* REMARKS:

ATTENTION !

> CONNECT LOAD AT FIRST BEFORE SWITCHING ON NET AND BATTERY VOLTAGE

> TOTAL OUTPUT POWER (OUT1 + OUT2):

Incandescent lamps:

max. 120 W

Fluorescent lamps with inductive control gear:

max. 120 W,

the DIP switch SW1 must be set at „AC/DC OUT“ in the position **OFF**, possibly present compensation capacitors must be removed from J32 and J33, compensation capacitors can be connected to J34 or J35 if required

Fluorescent lamps with electronic control gear:

max. 120 W,

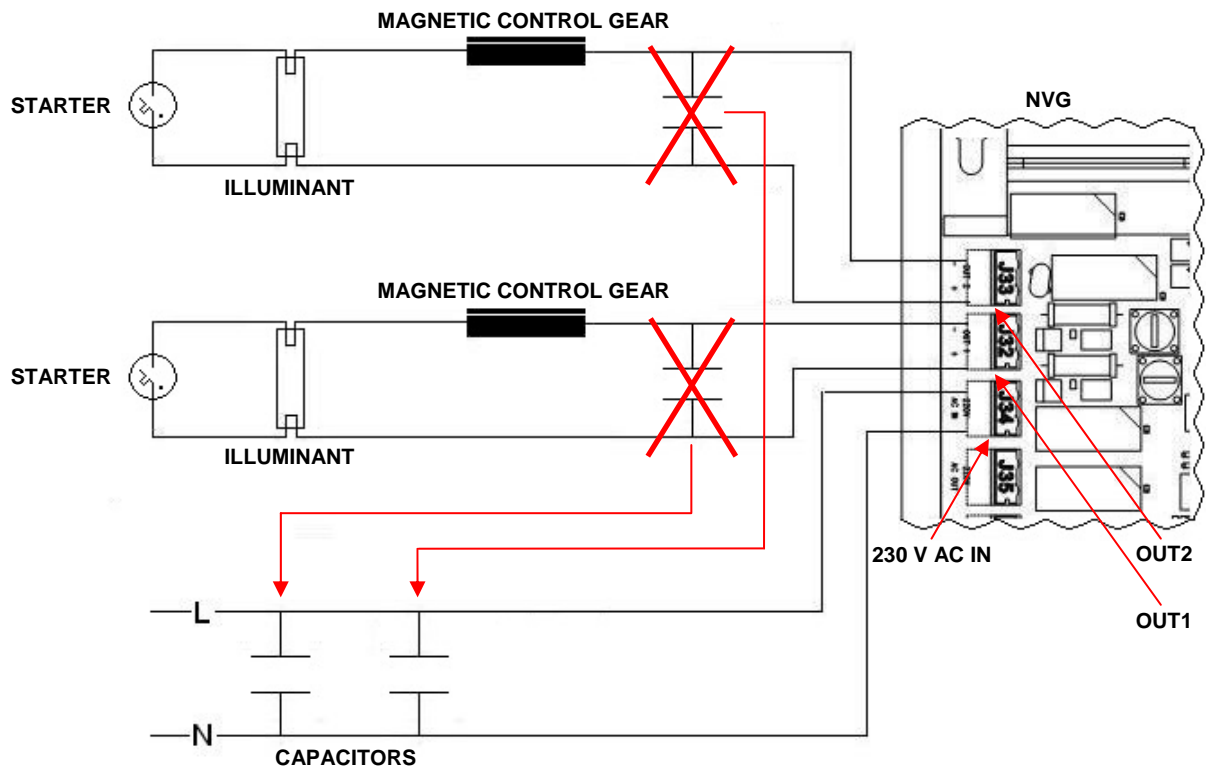
the DIP switch SW1 must be set at „AC/DC OUT“ in the position **ON**

> **USE WITHOUT CENTRAL (LOGICA S OR LOGICA FM):**

The DIP switch SW1 must be set at „BS/DS“ in the position **OFF** for the use of light switches on J25 / J26 or to implement the operating mode non-maintained operation. The DIP switch SW1 must be set at „BS/DS“ in the position **ON** to implement the operating mode maintained operation.

> **USE WITH CENTRAL (LOGICA S OR LOGICA FM):**

The function AUTODIMMER must be assigned over the central (Logica S or Logica FM) to the NVG for the use of light switches on J25 / J26. The position of the DIP switch 1 on SW1 is not relevant.


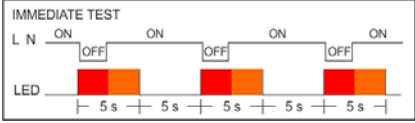
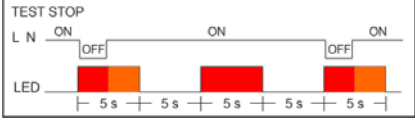


INSTRUCTION MANUAL

E09060060 / 1494.0409E / V. 1.8

LED-SIGNAL (t in ms)	MEANING
	<p><u>CONSTANT GREEN LIGHTED LED:</u> normal operation, battery charged</p>
	<p><u>GREEN BLINKING LED:</u> normal operation, battery charging or function test</p>
	<p><u>CONSTANT GREEN LIGHTED LED</u> + <u>GREEN BLINKING LED:</u> duration test</p>
	<p><u>CONSTANT GREEN LIGHTED OR BLINKING LED</u> + <u>ONE TIME RED BLINKING LED:</u> battery charge-failure or battery failure at function/duration test</p>
	<p><u>CONSTANT GREEN LIGHTED OR BLINKING LED</u> + <u>TWO TIMES RED BLINKING LED:</u> failure on output circuit</p>
	<p><u>CONSTANT GREEN LIGHTED OR BLINKING LED</u> + <u>THREE TIMES RED BLINKING LED:</u> failure at DC/DC converter</p>
	<p><u>CONSTANT GREEN LIGHTED OR BLINKING LED</u> + <u>THREE TIMES ORANGE BLINKING LED:</u> loss of the synchronicity at test procedure (NVG off because of a too long mains failure) To remedy this failure, a test synchronisation and a reset must be done (by central or autotest command).</p>

AUTOTEST COMMANDS:

DURATION / INTERVALS	COMMAND
	test synchronism and reset
	immediate test (duration)
	test stop (all tests will be stopped)

 RED  ORANGE