V-TAC®
INNOVATIVE LED LIGHTING

WEEE Number: 80133970

INSTALLATION INSTRUCTION

LED EMERGENCY EXIT LIGHT

3 YEARS WARRANTY*

IP65 RATING

INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 3 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. This product is warranted for manufacturing defects only.

WARNING:

- Please make sure to turn off the power before starting the installation.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- Installation should only be done by a certified electrician.
- Proper grounding should be ensured throughout the installation.
- The device must be connected to the main power supply through a fuse dependent by the total amount of the line’s power load.
- Installation should be carried out in accordance with the latest edition of the wiring regulations and taking into consideration the latest building regulations.
- Ensure that all electrical connections are tight with no loose strands, including factory made connections.
- Ensure there is adequate free air circulation of at least 100mm around the luminaire. It is the installer’s responsibility to consider fire risk and take appropriate precautions.
- A seperate enclosure may be required if this unit is to be used in dusty and wet environments.
- The luminaire contains no user replaceable components other than the battery pack contained in emergency versions.
- The battery has a 3 years warranty provided it is operatedand & maintained by regular testing, as detailed in this Usermanual. Failure to maintain or change the battery may result in reduced duration in emergency mode.

IN CASE OF ANY QUERY/ISSUE WITH THE PRODUCT, PLEASE REACH OUT TO US AT: SUPPORT@V-TAC.EU
FOR MORE PRODUCTS RANGE, INQUIRY PLEASE CONTACT OUR DISTRIBUTOR OR NEAREST
DEALERS. V-TAC EUROPE LTD. BULGARIA, PLOVDIV 4000, BUL.L.KARAVELOW 9B

This marking indicates that this product should not be disposed of with other household wastes.

Caution, risk of electric shock.

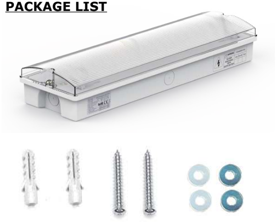
MULTI-LANGUAGE MANUAL QR CODE

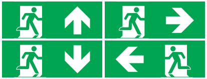
Please scan the QR code to access the manual in multiple languages.

TECHNICAL DATA

Model	VT-997
Emergency Watts	>1.2 Watts
Emergency Operation time	>3 Hours
Lumen	120lm
Battery Charging Current	60mA
Battery Type	Ni-CD SC, 3.6V 1.2Ah
Test Button	Included
Test	with manual test + self test + remote test [Remote available to buy seperately]
Charging indicate	Green LED
Battery protection circuit	Included
Low Voltage inspection	Inculded
Inhibit mode	Inculded
Lamp Type	Emergency Bulkhead
Watts maintained mode	3.0W
Non-maintained mode	1.5W
CCT	6400K
CRI	>80
Voltage	200-240VAC 50/60Hz
Beam angle	120°
Dimensions	L350 * W110 * H56mm
Viewing Distance	22 Meters
Stickers	4 Ways different legends
Material	100% Polycarbonate
LED Chips	18pcs 2835
Warm up time	<0.1S
Standard	60598-2-22:2014
Charging time	24 hours
Standard of Legend	ISO7010 & ISO3864-1/4
LED lifespan	50,000 Hours
Faulty indicator	RED LED
Non-maintained mode	
If AC supply normal	EM LED ON - 120LM
If AC supply failure	EM LED OFF - 120LM
Maintained mode	
If AC supply normal	EM LED ON - 120LM
If AC supply failure	EM LED OFF - 0LM
Dimension	350x110x56mm

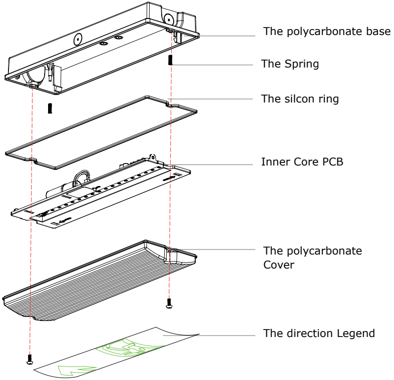
PACKAGE LIST

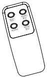




SKU: 11362
REMOTE CONTROLLER
(NOT INCLUDED)

ITEM PARTS





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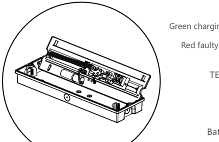


SMART SELF-TEST & REMOTE

The emergency bulkhead built in self-test ar

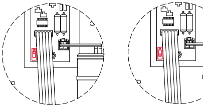
✓ Self-test (Optional): The lamp will test au
half of year, & record the test results by f

FAULTY INDICATOR LOGIC

	1Second	1Second
Battery failure	●	●
LED load failure	● ●	● ●
Duration failure	Constantly ON	

✓ Remote test(Optional): The testing also
controller. It is not necessary need ladders,

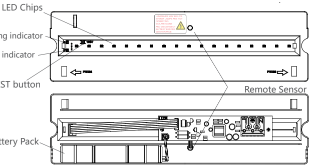
MAINTAINED & NON-MAINTAIN



a) Maintained mode b) Non-Maintai

MAINTAINED & NON-MAINTAI

ON a) Dip switch ON. It works in
maintained mode;


LED Chips
ng indicator
indicator
ST button
Remote Sensor
ttery Pack
LUMINAIRE MAY BE LIVE EVEN IF LAMPS ARE NOT OPERATING ISOLATE MAINS AND DISCONNECT BATTERY BEFORE MAINTENANCE
TEST
PRESS
PRESS

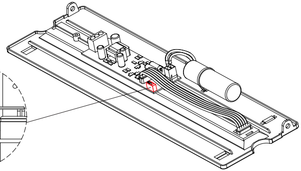
TEST

nd remote test function.

utomatically every month / flashing the faulty indicator.

can proceed by the remote or turn off the mains any more.

NED CHANGEOVER



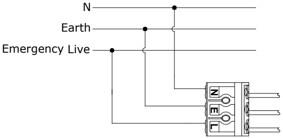
ned mode

NED WORK MODE

ON b) Or it works in non-maintained mode.

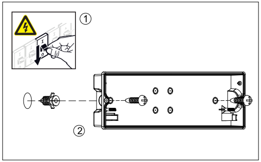
EMERGENCY FUNCTION TEST BEFORE INSTALLATION

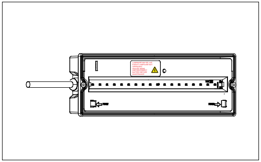
- Please make sure to turn off the power before starting the installation.
- Connect the wires as per the wiring diagram. Keep the switch live off, and battery plugged on. (The green charging indicator on, Faulty indicator off)
- Press the test button, The charging indicator off, and emergency function actived
- Unplugged the battery, charging indicator OFF, the faulty indicator flash in 1HZ.

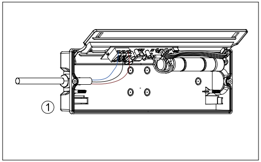


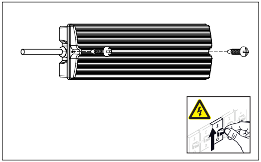
- The mains have to be off during the installation or maintenance.
- Keep the product far from heat sources and in a well ventilated area.

INSTALLATION DIAGRAM





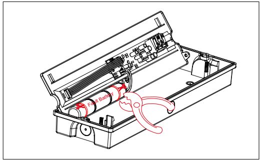


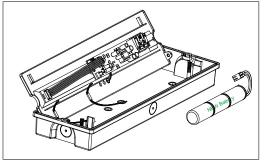


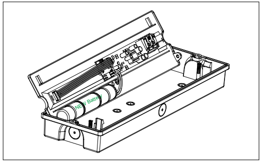
INSTALLATION INSTRUCTION

- Switch off the power before starting the installation.
- Knock out the cable hole
- Install the base on the wall
- Fix the cable by M20
- Connect the cable to the driver
- Connect the battery pack
- Chose right work mode by dip switch
- Fix the middle plate
- Fix the diffuser
- Switch on the power and test the light

BATTERY REPLACEMENT DIAGRAM







BATTERY REPLACEMENT INSTRUCTION

- Switch off the power before starting the installation.
- Cut the battery tie and take off the fault battery.
- Replace with the new battery and tie it securely. Connect the battery and VH3.96 battery plug properly
- Check if the installation is properly done before putting back the base cover.

EMERGENCY LUMINAIRE DESIGNATION

X	1	A*C*E	180

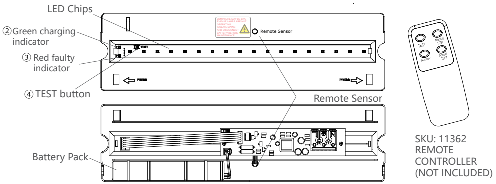
MAINTENANCE INFORMATION

TESTING (IF NO FAILURE)

MANUAL FUNCTION TEST
Active the ④ test button. or press “TEST” switch on controller.
a) The ② Charging indicator OFF.
b) The Emergency function ON.
c) The test will cut off the mains

MONTHLY TEST
Active the ④ test button for 5 second; or press the “Monthly TEST” switch on controller; or the lamp installed every 30 days.
a) The ② Charging indicator will flash in 1HZ for 128s;
b) The Emergency function ON;
c) The test finished and back to standby mode.

ANNUAL TEST
Active the ④ test button for 7 second; or press the “Annual TEST switch on controller; or the lamp installed every 180 days.
a) The ② Charging indicator will flash in 2HZ for 3hours;
b) The charging will be cut off & emergency function ON 3hours;
c) The lamp back to standby mode after test.



TESTING (IF ANY FAILURE)

Battery failure: ● ● ● ● ●
Monitored constantly. The ③ faulty indicator will flash in 1 Hz if the battery failure any time.

LED load failure: ● ● ● ● ● ● ● ● ● ●
If press test button, or the luminary self-monthly test. The ③ faulty indicator will flash in 2 Hz if LED load failure.

Duration failure:
Only in Annual self-test. The ③ faulty indicator will turn on constantly if the Battery can not last 3 hours

EMERGENCY CONTROL LOGIC

Operation	Charging indicator (Green)		Faulty Indicator (RED)		Emergency LED Maintained mode		Emergency LED Non-Maintained mode	
Time line	1 Second	1 Second	1 Second	1 Second	1 Second	1 Second	1 Second	1 Second
Normal charging	Constantly on		OFF		Constantly on		OFF	
Normal AC Failure	OFF		OFF		Constantly on		Constantly on	
Manual test	OFF		OFF		Constantly on		Constantly on	
Monthly self-test	●	●	OFF		Constantly on		Constantly on	
Annual self-test	● ●	● ●	OFF		Constantly on		Constantly on	
Battery circuit failure	OFF		●	●	Constantly on		OFF	
Light source failure	Constantly on		● ●	● ●	OFF		OFF	
Duration test failure	Constantly on		Constantly on		Constantly on		OFF	

MAINTENANCE INFORMATION

PARTS:
- The luminaire contains no user replaceable components other than the battery pack contained in emergency versions.

BATTERY:
- It is operated and maintained by regular tests, as described in detail in this document.
- The battery must be replaced in case it cannot support the minimum duration autonomy of 3 hours.

Suspension of product operation: in case of not using the product for a period of the installer must execute the following steps:
1. Disconnect the main power supply.
2. Press the test button one time.
3. After button is pressed the LED will stop emitting and the operation of battery protection will start.

If the above sequence did not apply then the battery will discharge on a certain limit until the battery protection operation starts.

Minimum recommended test schedule:
- Daily: check that the green indicators is active and the red error indicator is inactive.
- Monthly: check that the green indicators is active and the red error indicator is inactive (After the monthly self-test).
- Annually: check that the green indicators is active and the red error indicator is inactive (After the monthly self-test).

NOTE: If red error indicator is activated after any of the above or if the luminaire does not work as described in this document, contact the installer.

GENERAL INSTRUCTIONS

		FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
MONTH	TEST										
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	1 HOUR										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

20 PAP