

# NUCLEUS

## SMART EMERGENCY LIGHTING

The Nucleus system is an innovative solution to emergency lighting with its advanced features in a simple layout and cost-effective installation. This is an all-in-one solution that handles Normally ON, Normally OFF, and communication with the same pair of wires. Nucleus is connected to the internet via an Ethernet cable and can be controlled through the app or web from anywhere in the world. It is thus possible to control more than one unit within a single building, as well as manage multiple buildings remotely from a single access point. Furthermore, only one point of maintenance is needed since it is now possible to daisy-chain your Running Man signs and remote lights back to your centralized Nucleus battery unit. The auto-test feature allows testing of your emergency system to the fire code of Canada's requirements. All tests and changes to the system are logged. Reports are automatically sent via email for effective maintenance.



### FEATURES AND SPECIFICATIONS

#### CIRCUITRY

- 120/277/347VAC input, field selectable
- 24VDC output
- 144 W maximum evenly split across 6 inputs (channels) not exceeding 54 W per input (channel)
- 2 DC terminal blocks per input (channel)
- Wattage capacity of 144 W maximum for 30 and 60 min emergency power duration standard

- Extra battery pack can be added for more duration
- Fully automatic, current limited charger
- High performance battery
- Programmable auto-test
- Ethernet port
- TFT display
- 4 operations buttons

#### MECHANICAL



- Steel construction
- Black powder coat finish comes standard
- 3 keyholes for wall mount
- 19 knockouts of 20mm for easy wiring
- Conduit entry knockouts

#### COMPATIBLE DEVICES

- Signs: RPST, RPALW, RPWP,
- RPDB, RPVR, RPSP, RPEL
- Remote: RMSM head, single or double

#### APPROVALS

- Certified CSA to C22.2 #141-15

OVERVIEW			
<b>LIGHT SOURCE</b>	LED	<b>MAX. CHANNELS</b>	6
<b>INPUT VOLTAGE [VAC]</b>	120, 277, 347	<b>MAX. CONNECTED DEVICES</b>	120
<b>WATTAGE CAPACITY [W]</b>	144		
 			

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

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## ORDERING GUIDE

PART NUMBER	VOLTS [VDC]	WATTS [W]	LIGHT SOURCE	INPUT VOLTS [VAC]	COLOR
NUCLEUS-6	24	144 [1 HOUR]	LED	120/277/347	BLACK

## ADD-ON

PART NUMBER	DESCRIPTION
NUC-6-BATT	BATTERY PACK AND CABINET EXTENSION FOR NUCLEUS [ORDER SEPARATELY]

## MODEL RATINGS<sup>1</sup>

	60MIN	120MIN	180MIN	720MIN
NUCLEUS-6	144 W	96 W	60 W	24 W
NUCLEUS-6 + NUC-6-BATT <sup>2</sup>	180 W	180 W	180 W	72 W

<sup>1</sup> Consult your representative for more details

<sup>2</sup> Power supply limited to 180W

## DIMENSIONS

