



Addressable emergency lighting control panel

GR-7501 / GR-7502 / GR-7503 / GR-7504

The GR-750X is a series of high-performance addressable emergency lighting control panels designed to monitor and control demanding, large-scale installations with many emergency luminaires.

The panels provide automatic duration and function tests of all connected Olympia Electronics addressable luminaires during pre-set time intervals. The test results are recorded in a printable, electronic logbook, ensuring compliance with safety legislature without the additional costs of manually testing each luminaire.

The panels are controlled via a 7" capacitive touch screen with an intuitive user interface which offers extended networking capabilities, such as up to 24 panels that can be connected to a single network. At the same time, an integrated web server provides the user with a complete overview of installed emergency luminaires, regardless of the size of the installation.

Each panel can control up to 1000 luminaires, divided into four circuits of 250 luminaires each, with the ability to be programmed into 200 logic zones to perform common tasks or triggered events.



KM 640086
BS EN 62034:2012



for a safer world!



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Placement

Surface/Recessed Wall mounting

Application

Ideal for medium to large scale facilities where automatic centralized control of emergency luminaires is required, such as airports, malls, logistics centers, hotels and factories.

Construction materials

ABS – polycarbonate / metal sheet with electrostatic paint

Loop circuits

1,2,3 or 4 loops
250 addressable points per loop
400mA max current per loop

Inputs

4 programmable resistance-controlled inputs 2-state
(normal - active) detection
Fault detection: Open Circuit and Short Circuit

Complies with the standard

EN 62034



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The GR-750x series of Control Panels for Addressable Emergency Light consists of 4 models (1, 2, 3 and 4 loop circuits), named GR-7501, GR-7502, GR-7503 and GR-7504 respectively, all sharing the same control interface, functionality and indications.

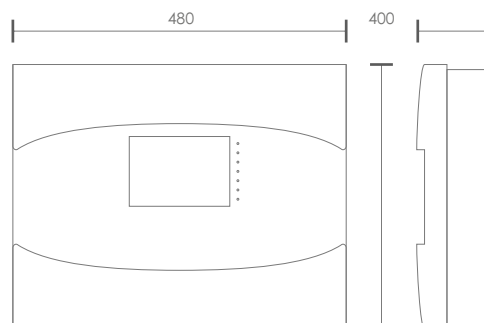
All GR-750x models include 4 programmable inputs, 2 programmable outputs, 24V monitored & 24V permanent outputs, and a programmable aux relay.

The panel uses 2 x 12V Lead Acid (Pb) batteries for its backup operation.

The available loop output circuits are: 1 for GR-7501, 2 for GR-7502, 3 for GR-7503 and 4 for GR-7504. Each loop output circuits can support up to 250 addressable luminaires.



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Key features of the GR-7500 panels



- ▶ 7" LCD touch display.
- ▶ Graphical user interface.
- ▶ English and Greek languages available, more languages could be supported.
- ▶ Supports up to 4 loop cards, with 250 luminaires per loop. Maximum 1000 luminaires per panel.
- ▶ 200 zones to organize/group the connected luminaires.
- ▶ Compatible with the luminaires supported by the GR-6500 panel.
- ▶ Automatic checks at specific intervals (configurable from the technician menu). Function and duration tests are performed on all connected luminaires.
- ▶ GR-750x panels can be connected to form a network (based on RS-485 communication). Up to 24 panels can be connected in the same network. Supports automatic network formation and addressing, ring topology (open/closed loop).
- ▶ 3 relays with a predefined operation (BMS): on fault, on power loss and normal operation.
- ▶ 1 user configurable relay, 2 voltage outputs (24V), 2 controlled outputs and 4 controlled inputs.
- ▶ Batteries for emergency operation in case of power loss (2x 12V up to 15Ah).
- ▶ LAN/WAN networking using Ethernet/WiFi.
- ▶ OTA update available (requires access to the Olympia Update Server).
- ▶ Software (PC-7500) to configure the panel from a PC. Create, edit, download and upload configuration files to the panel with ease.
- ▶ Website to configure and monitor a panel connected to the same network (WebUI). Supported browsers Microsoft Edge/Mozilla Firefox/Google Chrome.
- ▶ Event log that records events and faults on the panel (up to 6000 records).
- ▶ (Optional accessory) Thermal printer (GR-7500/Printer) that prints events and faults.



PC-7500

- ▶ Connect to the panel using a USB cable.
- ▶ 2 different access levels (User and Technician).
- ▶ Create configuration file, upload and apply it to the panel.
- ▶ Export and import configuration files for future use or backup.
- ▶ Download and view the panel's event log.
- ▶ Print the configuration file and/or the event log.
- ▶ English and Greek languages available, more languages could be supported.

WebUI

- ▶ Accessible from any device with browser support and connected to the same network with the panel.
- ▶ Panel can connect to the network using Ethernet or Wifi.
- ▶ 2 different access levels (User and Technician).
- ▶ Live Monitoring of the panel status and operation
- ▶ Access to almost all panel information and configuration.

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