



electrical solutions for medical imaging installations

## Product Specifications

# Warning Light Control Cabinet

Model NEA-WLC-1-1-X24AC-E

A 3D perspective rendering of a blue cabinet with a white top and bottom. The cabinet is shown from a low angle, looking into the open front. The date '01 October 2012' is printed on the right-hand side of the front panel.

01 October 2012

# Product Description

## 1. Standard Applications

The Nova NEA-WLC-1-1-X24AC-E is an integrated lighting controller designed to meet the hospital-grade lighting power requirements of medical imaging suites. The low voltage control panel provides a safe, low voltage interface between the imaging equipment, warning lights, operator's control, and room line voltage.

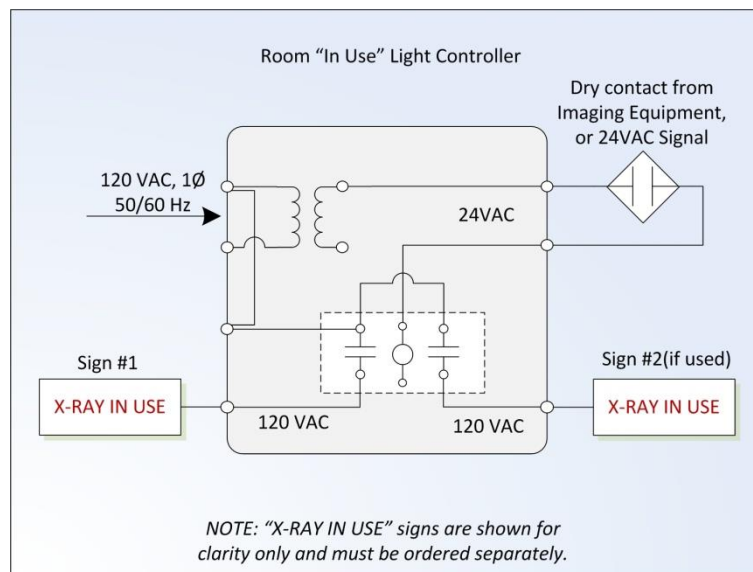


Figure 1 Nova Warning Light Controller Application Diagram

## 2. Features/ Benefits

### Features

- Integrated design provides all of the lighting controls into an easy to configure panel
- Utilizes heavy duty contacts to handle light currents.
- Controls up to 2 separate warning lights
- UL and cUL listed to conform to NEC.
- Labeled to conform with NFPA99, NFPA-70.
- Provides a fixed junction point for the lighting system
- Compact size for easy installation
- Short circuit and overload protection
- Thermal protection
- No minimum load required
- Factory wired and tested.
- Simple field configuration can accommodate several different equipment installations.
- Integrated "Hospital Supplied" 24VAC power source

## Benefits

- Designed, tested, and installed on hundreds of projects worldwide
- Acceptable low cost alternative to GE
- Reduced weight- all components are within a small 20lb enclosure
- Eliminates the multiple lighting control systems
- Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly.
- Provides a standardized platform for other future modifications or upgrades.



**Figure 2 Nova Warning Light Controller- Inside**

## 3. Specifications

|                        |  |
|------------------------|--|
| Model                  | <b>NEA-WLC-1-1-X24AC-E</b>                                       |
| Application            | Warning Light controls for medical imaging equipment             |
| Input Voltage          | 120VAC (please specify if other voltage requirements are needed) |
| Input Current          | AC input (maximum): 12 A   |
| Control Voltage        | Internally derived 24VAC for controls                            |
| Maximum Lighting Load  | 20 Amps  |
| Warning Light Controls | Compatible with up to 2 warning lights , LED or incandescent     |
| Approvals              | UL/cUL   |



**Figure 3 Nova Lighting Controller- Outside**

#### 4. Weight and Dimensions

|                     |   |
|---------------------|---|
| Mounting            | Warning Light Controller is provided in a steel enclosure suitable for surface, wall or above the ceiling mounting.   |
| Dimensions          | Height: 10" Width:10" Depth: 4"   |
| Weight              | 10 lbs.   |
| Mounting            | Rear wall mounting holes (4). Spaced 1.56" from enclosure edge.   |
| Enclosure           | 16 Gauge Carbon Steel, all rounded corners 1 gland plate in the enclosure base.                                       |
| Finish              | Dip coat primed, powder coated in textured RAL 7035   |
| Cover               | Screw type cover  |
| Protection Category | IP 66 to EN60 529/09:2000, complies with NEMA 4<br>Enclosure Approvals: UL, CSA, TUV, GL, Lloyds, VDE, Bureau Veritas |

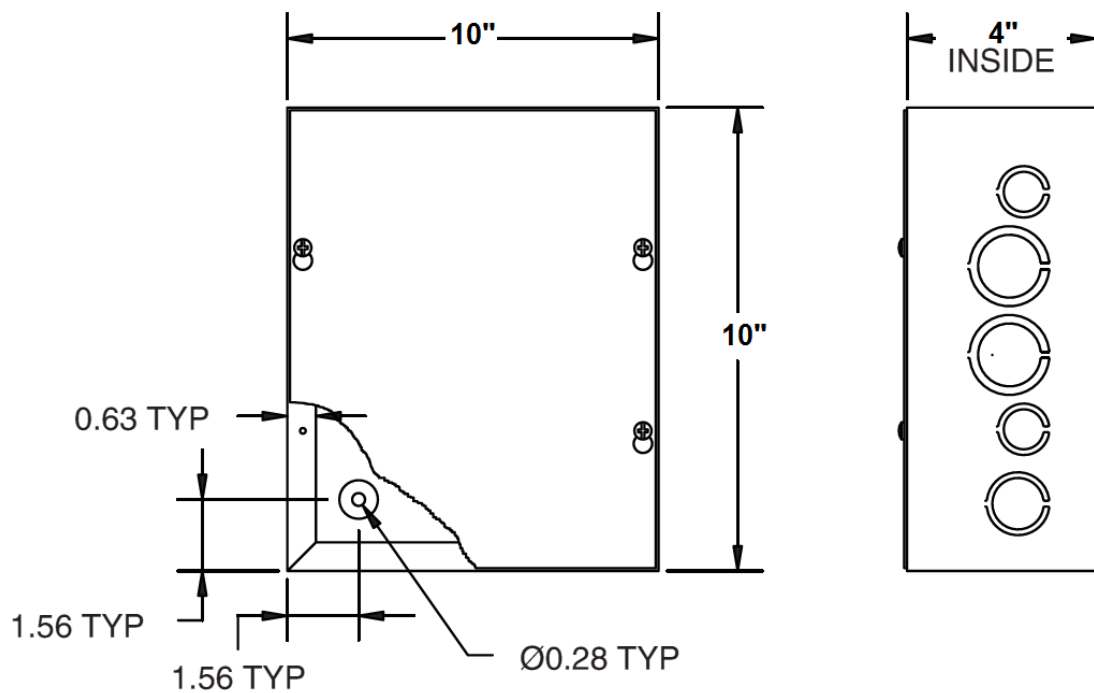


Figure 4 Enclosure Dimensions, Outside, Depth

## 5. Warranty

This limited warranty set forth below is given by Nova Automation (“Seller”) with respect to the electrical equipment (“Product”) packaged with this limited warranty. The Product, when delivered to you in new condition in its original packaging, is warranted against defects in materials or workmanship as follows: For a period of one (1) year from the date of original purchase, defective parts or a defective Product returned to a Seller, or its authorized service providers, as applicable, and proven to be defective upon inspection, will be repaired, or exchanged for a new Product, as determined by the Seller, or the authorized service provider.

This limited warranty covers all defects encountered in normal use of the Product, and does not apply in the following cases: Loss of or damage to the Product due to abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed by Seller, failure to follow Sellers installation instructions, or service performed by someone other than Seller or its authorized service provider.

Nova assumes no responsibility for labor or freight costs incurred in connection with the installation, removal, or replacement of products determined to be defective or any consequential or incidental damages arising from the use of the product. Nova Automations entire liability on any claim of loss or damage resulting from a defective product is limited to the replacement of the product.

**Project Name** Warning Light Controller

**Model:** NEA-WLC-1-1-X24AC-E

**Document Number / Version Number:** NDS-020

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH IT WAS  
MANUFACTURED.