

NOVA Energy & Automation



Product Specifications

Warning Light Control Cabinet

Model NEAS-RB024A-IWA

03 January 2012

Product Description

1. Standard Applications

The Nova NEAS-RB024A-IWA 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.

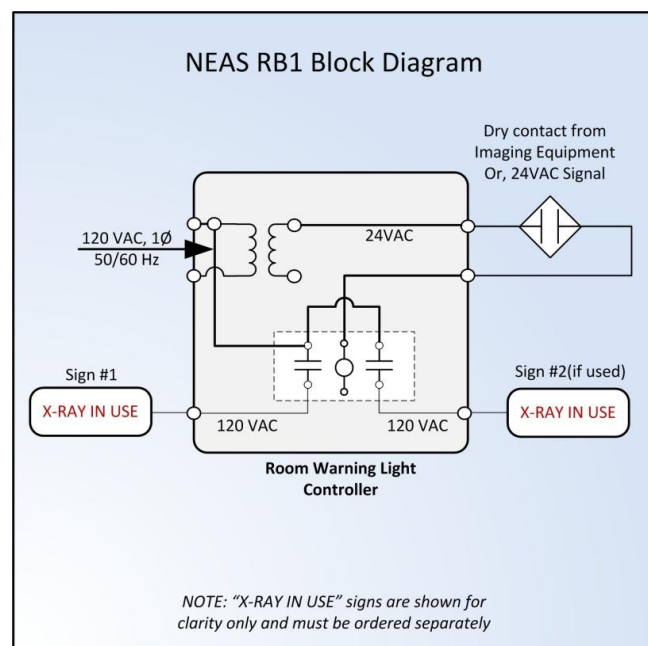


Figure 1: Nova Warning Light Controller Application Diagram

2. System Compatibility

The Nova NEAS-RB024A-IWA is compatible with the following medical imaging equipment:

Siemens Medical CT models 2-64 slice : Somatom Definition AS 64 and several other similar installations.

Siemens Medical PET models: Biograph Truepoint 6 and several other similar installations.

Toshiba Medical X-ray models: Kalare, Ultimax, RadRex and several other similar installations.

3. Identification

Siemens Medical- The proper panel can be identified on Siemens Medical Construction Drawings: sheet E-501 ➔ Note 2: Auxiliary Wiring ➔ X-ray warning lights and door switch schematic. Equal to relay box with related components

Toshiba Medical Kalare & Ultimax- The proper panel can be identified on Toshiba Medical Construction Drawings: sheet E-3 ➔ Note 3: Warning Light Detail ➔ Equal to relay box with related components

Toshiba Medical RadRex- The proper panel can be identified on Toshiba Medical Construction Drawings: sheet E-2 ➔ Note 3: Warning Light Detail ➔ Equal to relay box with related components

4. 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 via integral double pole, single throw contactor.
- UL and cUL listed to conform to NEC.
- Isolates lighting system voltages from imaging system.
- Labeled to conform with NFPA99, NFPA-70, and the OEMs specifications.
- Provides a fixed junction point for the warning sign controls.
- Compact size for easy installation
- Fused Short circuit protection.
- No minimum load required
- Factory wired and tested.
- Simple field configuration can accommodate several different equipment installations.
- Integrated "Hospital Supplied" Class 2, 24VAC power source.

Benefits

- Designed, tested, and installed on several projects worldwide.
- Meets the requirements as specified by Siemens.
- Reduced weight- all components are within a small 10 lb enclosure.
- Eliminates 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- Cover Removed, Inside View

5. Specifications

Model	NEAS-RB024A-IWA
Application	Warning Light controls for medical imaging equipment
Input Voltage	110VAC (please specify if other voltage requirements are needed)
Input Frequency	60Hz (please specify if other frequencies are required)
Input Current	AC input (maximum): 5 A
SCC Rating	Short Circuit Interrupting Rating 5 KA
Control Voltage	Internally derived 24VAC for control or imaging equipment source.
Maximum Sign Load	15 Amps
Warning Light Controls	Compatible with up to 2 warning lights , LED or incandescent
Approvals	UL/cUL

6. Weight and Dimensions

Mounting	Warning Light Controller is provided in a steel enclosure suitable for surface, wall or above the ceiling mounting.
Dimensions	Height: 7.9" (200mm) Width: 7.9" (200mm) Depth: 4.7" (120mm)
Weight	10 lbs. (4.54 kg)
Mounting	Rear wall mounting holes (4). Spaced 0.79" (20mm) from enclosure edge. Optional mounting brackets are available
Enclosure	Model KL 1502510; 18 Gauge Carbon Steel, all rounded corners.
Finish	Dip coat primed, powder coated in textured RAL 7035
Cover	Captive screw-type cover
Protection Category	IP 66, UL Type 1, 4, 12,

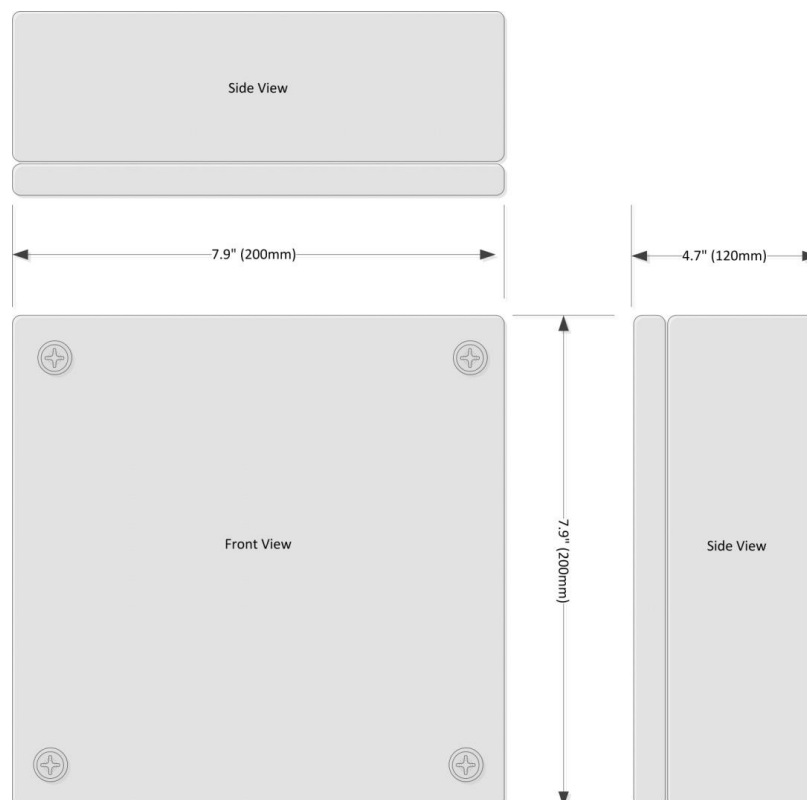


Figure 3: Enclosure Dimensions inches (mm): Outside, Depth

7. 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.

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

8. Product Service and Technical Assistance

Nova Automation, LLC
2722 N. Avondale Blvd
Milwaukee WI 53210
PH# 262-309-2950
Website: www.NovaAutomation.net

9. Approvals

Prepared By _____

([Job Title])

This document requires the following approvals

Approved By _____

([Job Title])

([Job Title])

Approval Date _____