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E4502SA

110 Amp X-Ray, Auto Restart Main Power Disconnect

Application

The Auto Restart X-Ray Main Disconnect is a custom panel that serves as the main power disconnect between the x-ray or vascular system and the facility 480V 50/60Hz, or 208/380/400/415V 50/60Hz power source. These panels provide emergency disconnection and overcurrent protection, and will automatically re-energize the x-ray power to the distribution cabinet after a 3 second delay upon power restoration. The auto restart control feature is disabled whenever any emergency off pushbutton is pressed. The standardized design provides a platform for future upgrades of the system. The panel offers the customer, specifier, and the installer a number of advantages by combining a variety of individual components into a single pre-engineered and factory tested panel. Each panel is UL and cUL listed for compliance with the approvals required by NEC Article 100 and Article 110-3. A remote emergency off pushbutton located by x-ray control provides immediate shut down of the entire system to comply with NEC required disconnecting means. The panel may be surface or semi-flush mounted, and can be utilized for a variety of applications where low-voltage control of the main power source is desired.

Standard Applications

All GE three phase X-Ray generators.

Benefits

- Eliminates technician need to reset circuit breaker after any momentary loss, blackout, or generator testing.
- Provides 3 second time delay (field adjustable to 30 seconds) before re-energizing the x-ray to allow the power system to stabilize, providing system protection.
- Eliminates need for technician to reset breaker during testing of emergency power.
- Minimizes down time by automatically restoring power to the system after power interruptions up to six hours.
- Developed specifically for use with GE Imaging Systems.
- Reduces installation time and cost by providing a single-point power connection eliminating the need to mount and wire a number of individual components.
- Standardized design provides for pre-engineered system modifications such as uninterruptible power supply.
- Uniform factory design eliminates individual project engineering costs, and delays of on site fabrication.
- Eliminates the sourcing and delivery delays associated with obtaining multiple components from a variety of suppliers.
- UL and cUL listed to conform to local codes minimizing inspection and acceptance issues.
- Standardized design and testing assures high product quality and system reliability.
- Retrofit kits fit into existing GE X-Ray main disconnect panel enclosures are also available.



Features

- Energizes system after momentary outages due to automatic transfer switch operation, generator testing, or power interruptions.
- Auto restart circuit maintains restart capability for at least 6 hours.
- 25,000 ampere Short Circuit Current Rating.
- Auto restart capability is disabled when any emergency off pushbutton is pressed.
- 110-ampere circuit breaker rating with rating plug provided with the panel.
- Three-second time delay prevents system energization until supply power has stabilized.
- Cover mounted Green Pilot light indicates power on.
- Cover mounted RED emergency off pushbutton included.
- Supplied with one 24V, heavy duty, and remote emergency OFF push-button and flush stainless steel wall plate.
- Single panel completely assembled and tested.

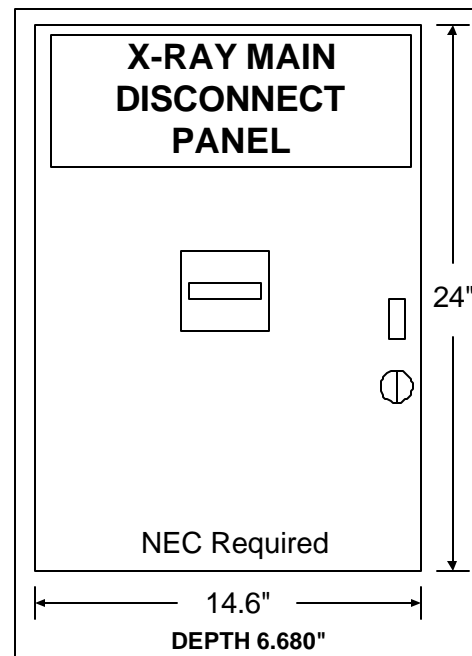
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(Features continued)

- Custom wiring diagram speeds installation.
- UL and cUL listed to conform to NEC.
- Complies with NEC Article 100 Definition of Approved and Article 110-3 Approved.
- Ratings comply with NEC 517-72 based on 5-second momentary ratings of x-ray system.
- Provides low voltage operation. Field convertible...adapts from 480V to 208/380/400/415V by changing jumper.
- High interrupting solid-state 25 kAIC-480V trip molded case breaker with adjustable instantaneous trip.
- Padlocking provisions for OSHA lockout/tag out included on the panel cover and individual main breaker handle.
- Time delay current limiting fuses provides protection for the primary of the control power transformer.
- Isolated neutral lugs.
- Oversized ground lugs for parity sizing of ground wire.
- Provisions for future addition of additional control contacts for integration with building automation system, security system or remote system shut down alarm.
- All devices selected for high reliability and long life.
- Finger safe fuse blocks for control circuit fuses.
- 125 Ampere rated panel available as catalog number E4502RY.
- 90 Ampere rated panel available as catalog number E4502RP.

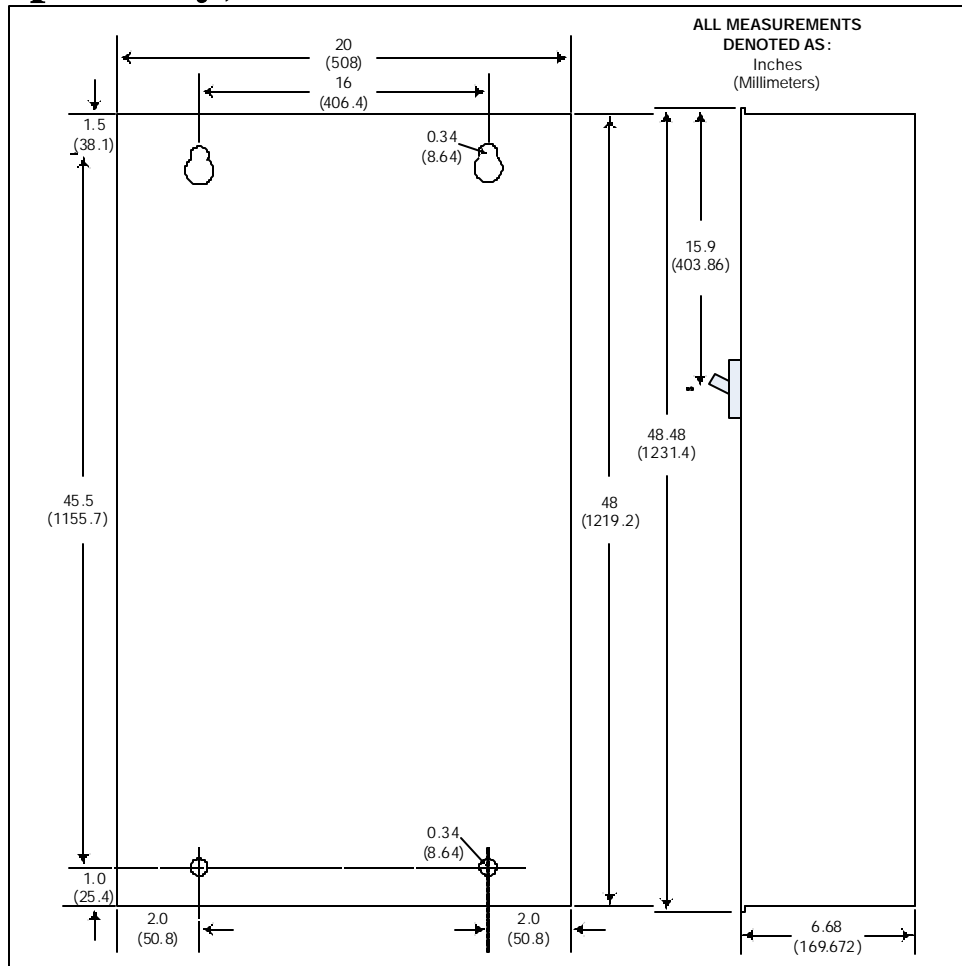


- Upgradeable to optional 125 ampere rating by purchasing interchangeable circuit breaker rating plug catalog # SRPE150A125 if suitable conductors are utilized.
- Single panel provides for a more attractive, color coordinated installation.
- Custom tailored for GE X-ray systems.
- Surface or semi-flush mounting.

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Physical Specifications

Height: 48 inches (1219.2 mm)
Width: 20 inches (508 mm)
Depth: 6.680 in. (approx.) (169.7 mm)
Weight: 80 pounds (36.29 kg)
Main lug wire 3/0 max.

Mounting: Via keyhole slots: width is
16 inches on centers.
Height is 45.5 inches on centers (see diagram).

4" of enclosure may be recessed in wall for semi flush installations.