



LXi-2900 Electric Fire Pump Controller with Transfer Switch Wye Delta Open Transition

By Metron/Metron-Eledyne

Hubbell Fire Pump Motor Controllers with Automatic Transfer Switches (ATS) are designed to comply with the latest standard of the National Fire Protection Association for the installation and operation of centrifugal Fire Pumps (NFPA-20). Model LXi-2900 is a combined automatic and manual wye-delta reduced current fire pump controllers applied where the capacity of the power source does not permit across-the-line starting of the motor. The controllers are used with special six (6) or twelve (12) lead squirrel cage motors designed for wye-delta starting. The motor is started connected in wye, drawing approximately 33% of the locked rotor current and producing approx. 33% of its locked rotor torque. After a short time delay, the controller transitions the motor to the delta connection. The motor current & torque jump to the across-the-line current & torque at the speed at which the transition takes place. The current quickly falls to its normal running current as the motor accelerates to full speed. The difference in the LXi-2800 and LXi-2900 is the transition between the wye and delta connections. The LXi-2900 has open transition between the wye and delta connections. This condition can cause current surges or disturbances back into the power source and can affect the operation of other equipment. The LXi-2800 has closed transition between the wye and delta connections through the use of an additional contactor and resistor. The LXi-2800 provides a smoother transition by keeping power on the motor during the transition.



Features

- LXi Microprocessor Logic & Control
- Coordinated design engineered, built, tested and labeled by one manufacturer
- Suitable for use as service entrance equipment
- Emergency source suitable for standby generator sets or optional dual utility sources
- Full compliment of visual indicators
- Communications portLCD display shows system pressure, and simultaneous reading of all phases for amps, volts and pressure
- Full range of horsepower ratings and voltages
- Ample cable bending space

Application

Fire Protection System

General

Product Assets

[Brochures - LXi Integrated Fire Pump Controller/Automatic Transfer Switch Combination](#)

[Brochures - Price list 6100M](#)

[Brochures - Specifications for LXi 2900 Controllers](#)

[Customer Use Drawings - Metron_LXi-2900 Field Connections](#)

[Customer Use Drawings - METRON_LXi-2100_Emergency Ratings](#)

[Customer Use Drawings - Metron_LX-450-45DS0011 Schematics](#)

[Customer Use Drawings - Metron_LXi-2900-Dimensions-29DE0011- 200-480V- 15-75HP](#)

[Customer Use Drawings - Metron_LXi-2900-Dimensions-29DE0021- 200-480V- 40-150HP](#)

[Customer Use Drawings - Metron_LXi-2900 Schematics](#)

[Customer Use Drawings - Metron_LXi-450-45DF0011 Field Connections](#)

[Installation Manuals - Metron_LXi_Manual](#)

[Installation Manuals - Metron_LX450_Manual](#)

[Specifications - LXi-2900 Electric Fire Pump Controller with Transfer Switch Wye Delta Open Transition](#)



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