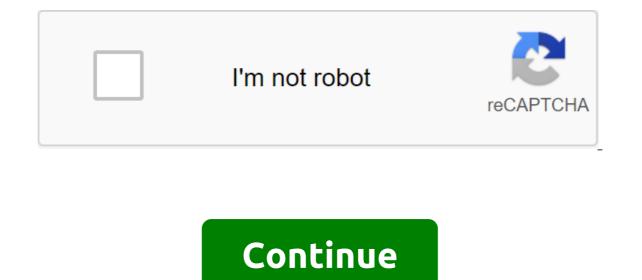
Nulec n-series recloser manual



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At Nu-Lec Industries, we are constantly working to provide the state-of-the-art equipment needed for tomorrow's competitive electricity distribution system. With this technologically advanced equipment, operating costs will be reduced, revenues will be increased by reducing downtime, and capital works can be delayed by better management of the existing plant. In addition to automatic chain reclosers, the Nu-Lec Industries family switchgear includes a number of remotely controlled and controlled and monitoring software. This family of products is a complete solution for automating the distribution system. The standard equipment includes a smaller remote terminal unit (RTU) and a modem. No additional RTU, modem, power, battery, wiring, connectors or enclosures are required. The standard package includes a 400A cable kit. However, 250A, 630A and 800A cable kits are also available, as well as a bare terminal kit for applications up to 15kV.Reducing the cost of installing a lightning-powered editing, up to 630A insulated tail cable kit and pole mounting kits are provided in the standard package. An additional voltage transformer (VT) is available for auxiliary power. The configuration of the device from the operator's control panel, which makes commissioning simple. These automatic reclosers circuits are ideal as inexpensive feed switches in the outer substation zone. In this application, connecting to a substation or automation of faults, reducing damage. Recloser constantly tracks the line line and voltage without the need for additional statistical measuring devices. This data can be used for forward planning and optimization of the distribution system. Long life, low maintenance of equipment reduces the cost of living. DSA/SCADA CompatibilityWhen is used with a compatible distribution automation system (DSA) or SCADA system, the Nu-Lec Industries automatic losers support remote control and monitoring to provide the following benefits: Information about the status of the recloster and current fault values transmitted to the system control allows for the rapid location of the faulty section of the line, reducing the time of entry of line crews. The same information allows for informed remote switching, which reduces the affected area and quickly restores supply. Reclosers can be configured with system controls, without technicians having to visit every single recloser in this area, with subsequent staffing reductions and improved system integrity. Increased income supply can be quickly restored in unaffected areas, leading to less downtime and therefore increased revenue. Deferred capital operates remotely controlled automatic reclosers schemes to give improved knowledge about the system and provide better control of the system. The load on the feeders and substations can be controlled remotely, improving the use of the existing plant. The purchase of the new plant is likely to be delayed for a significant period of time. 2N-SeriesNu-Lec IndustriesCircuit Breaker Review and Operation 1 2 3 4 5 Pole installed control and cabin communication operator's home control panel and microelectronics. There is an electronic controller in this cockpit that controlled and controlled automatic recloser circuit. The switch is controlled by sending a controlled current pulse from the capacitor storage in the communication cabin through the solenide. This attracts the mechanism plate, which in turn closes the contacts is achieved by releasing the controlled pulse of the current from the capacitor through the coil of the trip. This attracts the bar's travel fixture by turning the travel bar and letting out a latch. Opening spring and contacts the main circuit conductors from the outer hull and provide a double O ring seal. They also provide the necessary insulation and support for built-in voltage sensing screens and Transformers. Din 47 636 bushes (threaded version) and allow you to connect alternative cable elbows if desired. Lightning mounting is provided for the convenience of installation. The standard field fitting kit comes with a switch. It contains polymer bush boots and 3 meters long 185 mm aluminum insulated water hard tails cable estimated at 400A. This arrangement results in an automatic recloser chain suitable for connecting to an isolated conductor system, or bare conductor system, if necessary. The fully isolated system provides freedom from malfunctions caused by birds and other wild animals. The unit needs an auxiliary voltage of 110, 220, 240 or 415 volts. Where this is inconvenient, a voltage transformer can be provided as a purchase option. The control cabin is connected by a control cable to the bottom of the circuit breaker through a rubber-covered plug/location connector. A clearly visible external pointer shows the position of the contact. The automatic recloser circuit may be tripped off the ground by a hook. It can then be blocked by opening the insulation switches located on the operator's control panel. These switches are physically connected in the series to both Trip and close soles. Pole Top Control Cubicle (PTCC) interfaces to recloser via control cable and connects to the Switch Control Entry Module (SCEM) at the base of the tank. SCEM also provides the first stage of electrical insulation and short electronics for short CTs and CVTs in case the control cable is disabled while the current passes through the automatic recloser circuit. The N-Series gas-proof automatic shrosloser is designed around vacuum breakers contained in a fully welded and airtight 316 class stainless steel case. The case is filled with sulfur hexaflurid (SF6) gas, which has excellent electrical insulation properties, resulting in a compact and low maintenance device.226 721 20 19 18 17 16 15Cross Section Chain Breaker8 9 10 11 12 13 14Legend1. 2. 3. 4. 5. Isolated cable tails Polymer bushes load DIN 47,636 bushes Current Transformer Lightning arresters (optional) and fastening 6. Vacuum breaker 7. Contacts 8. Stainless steel tank 9. Contact pushrod 10. Contact pressure spring 11. Latch 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. Ride bar fixture Trip Coil Cable to control cabin cable entry module (SCEM) Mechanism plate Opening Spring Closing Solenoid Flexible Compound Gas filled tankN-Series gas insulated switchNu-Lec Cubicle ReviewDedeveloped protection, logging data and communication abilities ability recloser can be made possible by technology located in the control and communication booth. It was designed specifically for outdoor, pole-mounted surgery and is usually mounted low on the pole for the convenience of accessing attendants. The cabin is isolated and is designed to minimize any temperature increase resulting from solar heating. The internal hardware panel is used to install all equipment including batteries, storage capacitors, network transformer, low-voltage switches, control and protection module (CAPM), operator control panel and radio or modem. These components are carefully positioned so that the heat-generating parts are at the top, while the battery is at the bottom to keep it cool. Thus, battery life over 5 years can be achieved. All access to the weather is provided by the operator's control panel through a locked door on the front of the control cabin. The vents are checked at the entrance of the pests and the door is sealed against the outside with rubber extrusion. All electronic parts are well protected from moisture and condensation, providing a long life. Three models of control and communication cabin are available: Tropical, Moderate and Moderate. TPage 24.3 - nulec pole installed automatic control recloser dcwi dcwi 4.3 - nulec pole installed automatic control recloser 2 of 3 dm 1648164 network standard 11/2013 network ... 621.316.57.064.25 paper No. 1717 since December 1954 automatic scheme reclosers on g. f. peirson, member, a. h. pollard, b.sc, associate member, and n. care member, member. (Paper... The rl-series pole is set to break the load switch/sectionaliser introduction and features the nu-lec industry rl27 pole installed gas insulated load break switch available in ... n-series automatic introduction of the recloser circuit and features nu-lec industry n-series gas isolated automatic recloser circuit (also known as a circuit switch) provides ... Ara automatic recloser doca0014en 11/2011 d o c a 00 14 e n -0 0 0 www.schneider-electric.com ara automatic recloser with controller advc 1amted100051en n series content applications 2 introduction and features ... the world's safest recloserosm® automatic product manual 15kv/27kv/38kv model ® ® osm recloser evidence of safety and reliability in distribution ... 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