



## Monitored System Actuators

### Electric Linear Actuator

The Electric Linear Actuator (SD500125) is a removable device with an internal monitoring switch. The internal monitoring switch complies with NFPA requirements for actuation apparatus monitoring.

The Electric Linear Actuator mounts to the threads on the actuation adapter, located on the top of the cylinder valve. It is permanently installed while the system is in service, but the threaded attachment allows for ease of removal for inspection and maintenance purposes.

The Electric Linear Actuator houses a pin magnetically held in place while the systems remain in an idle state. Once powered, the pin moves downward, depressing the actuation adapter valve core and releasing pressure from the cylinder valve.

Cylinder valves equipped with the Electric Linear Actuator must be actuated from a listed control panel for releasing device service that is compatible with Shield equipment.

Prior to the installation of the Electric Linear Actuator to the actuation circuit, confirm that the electrical ratings of the solenoid are compatible with the electrical ratings of the actuation circuit.

**NOTE: The actuation circuit is rated at 24 VDC, 0.5 Amps. The maximum supervisory current should not exceed 30 mA.**

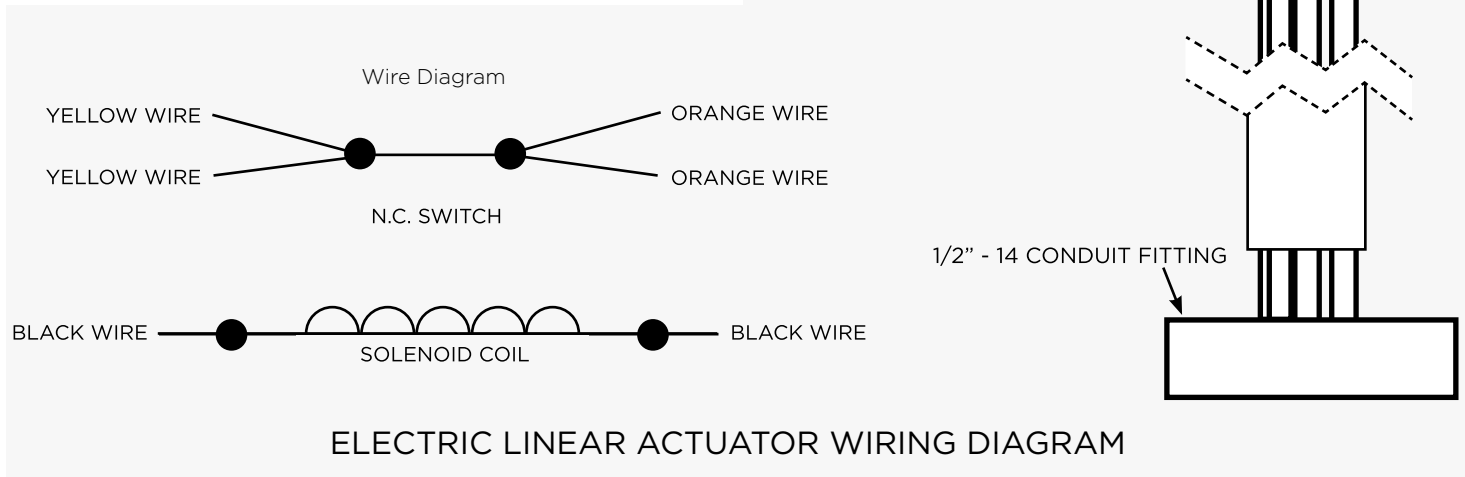


Wiring of the Electric Linear Actuator to the actuation circuit shall comply with wiring methods in accordance with NFPA requirements and the installation instructions provided with the listed control panel for releasing device service. A diagram for proper wiring has been provided below. For more information, refer to the wiring methods found in NFPA 72, Chapter 17.



The Electric Linear Actuator shall be installed with listed conduit connectors.

By utilizing flexible metal conduit connectors or liquid-tight conduit connectors, the solenoid coil wires and dual leads for the internal monitoring switch are mechanically protected from damage.



## Manual Override

The Manual Override (SD500126) features a push-button that moves the internal pin downward and manually actuates the Electric Linear Actuator.

The Manual Override mounts to the threads located on the top of the Electric Linear Actuator. The threaded attachment allows for ease of removal for inspection and maintenance purposes.



## Listings and Approvals:

Complies with UL requirements when used with UL, & ULC listed cylinder assemblies.

Complies with FM requirements when used with FM listed system assemblies.

