



TD-CSR TIME DELAY CONTROL SWITCH RELAY

Breaker Control Switch Relay with Time Delay Trip and Close for Arc Flash Protection of Personnel

The Time Delay Control Switch Relay (TD-CSR) provides a means of protecting personnel from arc flash during local breaker operation. The time delay feature of the new TD-CSR expands the functionality of the field-proven CSR.

Integrated into the lighted nameplate package, two front panel-mounted push buttons provide the ability to manually initiate a time delayed breaker trip or close operation.

A flashing LED alerts the operator of either a pending trip or close operation, allowing adequate time to evacuate the arc flash area.

The TD-CSR is available with all of the features and options of the standard CSR. The lighted nameplate includes local LED indication, a remote SCADA contact alarm, and a single or dual trip coil monitoring option.



TD-CSR Lighted Nameplate Showing Delay Trip and Delay Close Push Buttons

Features

- Local Trip or Close with 10 Second Delay via Push Button
- Flashing LED to Indicate Pending Operation
- Pending Operation Easily Cancelled
- Visible LED and Trip/Close Flag Indication
- Four Second Hold Requirement Prevents Accidental Push Button Operation
- Optional Factory Programmable Delay Time
- Traditional Manual Trip and Close via Pistol Grip

Safety and Cost-Saving Benefits

- Provides Safe On-Site Breaker Operation While Keeping Personnel Outside The "Arc Flash Zone"
- Fits Into Existing Breaker Control Switch Mounting
- No Special Wiring Required
- Includes Features of the Standard CSR
- Intuitive Push Button Operation Simplifies Training Requirements
- Provides a Reliable, Cost-Effective Method for Arc Flash Hazard Protection

Other Arc Flash Control Devices From Electroswitch



3 Position Tagging Relay
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Position 1
Reclose Disabled

Position 2
Reclose Enabled

Position 3
Tagged, Relay Set to Instant Trip,
Reclose Disabled — One Shot to Lockout



2 Position Tagging Relay
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