



How to Install, Trouble Shoot and Reset Safety Relay.



Presenter: Stephen May

Date: 12/06/2020 – Updated 7/7/2025

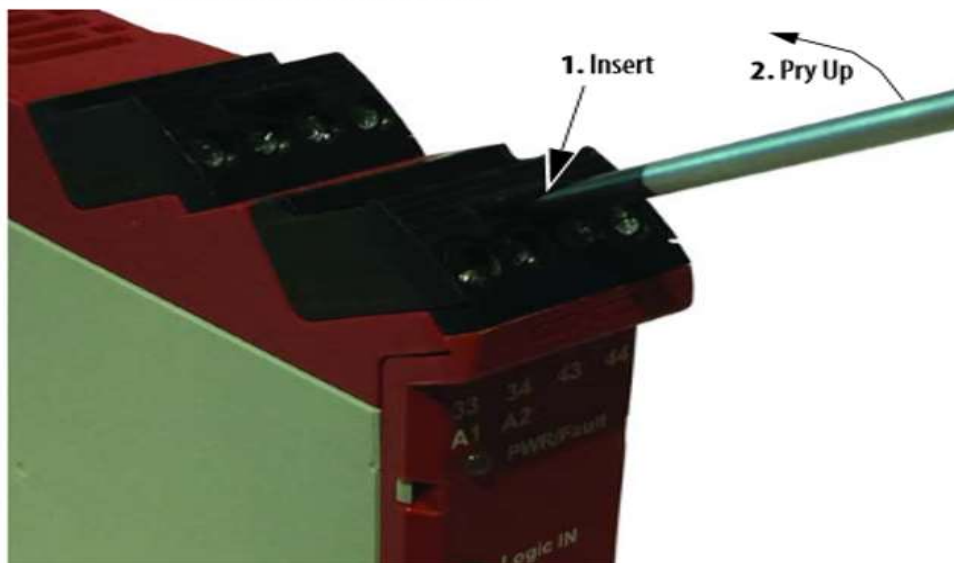
© 2024 Marathon Equipment Company | Proprietary and Confidential



How to remove the terminal strip without rewiring them.

GSR Safety Relay

Figure 87 - Terminal Block Removal



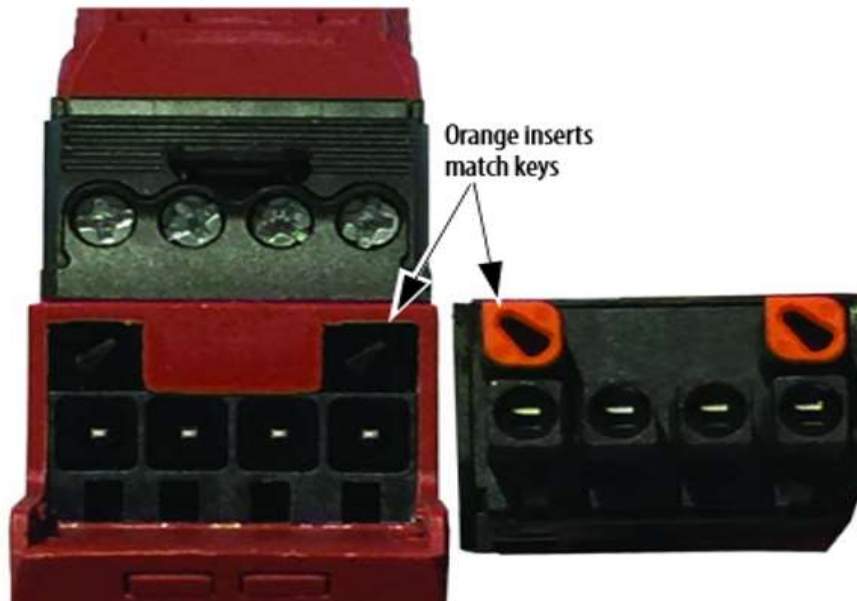
440R-S12R2



Keeps you from putting them in the wrong place.

GSR Safety Relay

Figure 88 - Orange-colored Keyway





Programing Step 1

GSR Safety Relay - Programming

Step #1 – Power Off



To speak with our technical support group, call: 1.877.258.1105



Step 2

GSR Safety Relay - Programming

Step #2 – Set Rotary Dial to “0”

Table 5 - CI and SI Logic Switch

Position	Function
0	Start configuration
MM	Monitored manual reset
AM	Automatic/manual reset



To speak with our technical support group, call: 1.877.258.1105



Step 3

GSR Safety Relay - Programming

Step #3 – Apply Power





Step 4 the Safety Relay for the Light Curtain is AM The Safety Relay for the Stop Circuit is MM

GSR Safety Relay - Programming

Step #4 – Set Rotary Dial to “MM” or “AM”

Table 5 - CI and SI Logic Switch

Position	Function
0	Start configuration
MM	Monitored manual reset
AM	Automatic/manual reset





Step 5

GSR Safety Relay - Programming

Step #5 – Cycle Power “Off” then “On”





Helpful Hints

Helpful Hints – 440R Safety Relays

- Adjust the rotary switches gently and do NOT turn past the mechanical stops.
- If the rotary switch is changed to a different position on a programmed relay after power is removed, the relay will fault upon power up.
- Make sure to perform the cycling power Step #5 within 5 minutes of setting the rotary switch or relay will fault out.



Help

To speak with our
technical support group,
call: 1.877.258.1105



Nexteligenz®
Connected-Tech Training

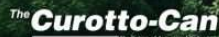
MARATHON TRAINING



<https://www.marathonequipment.com/service-school/>



A family of companies working
for a more sustainable planet.



www.marathonequipment.com