



# How to Install, Trouble Shoot and Reset Safety Relay.

Presenter: Stephen May

Date: 12/6/2020

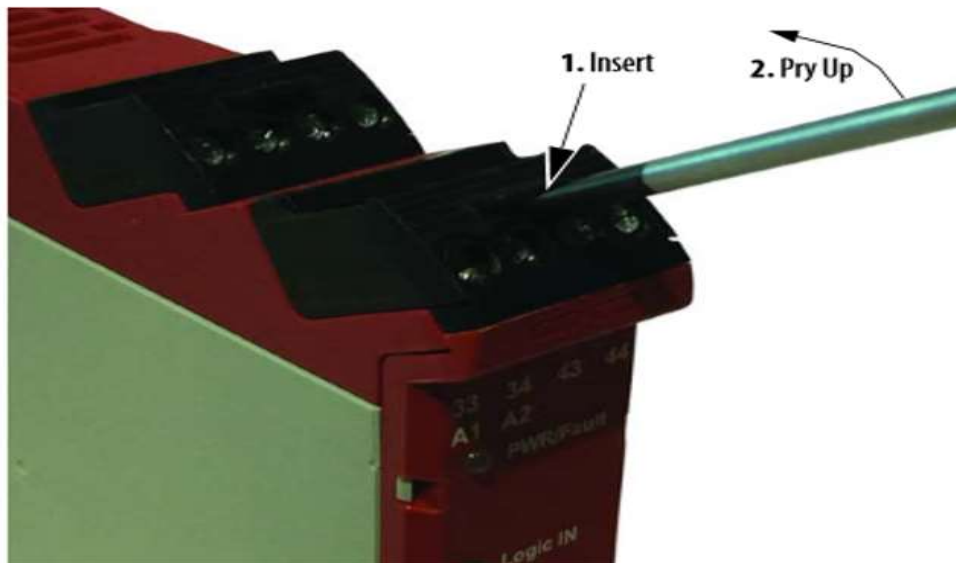
# How to remove the terminal strip without rewiring them.



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

## GSR Safety Relay

Figure 87 - Terminal Block Removal



440R-S12R2

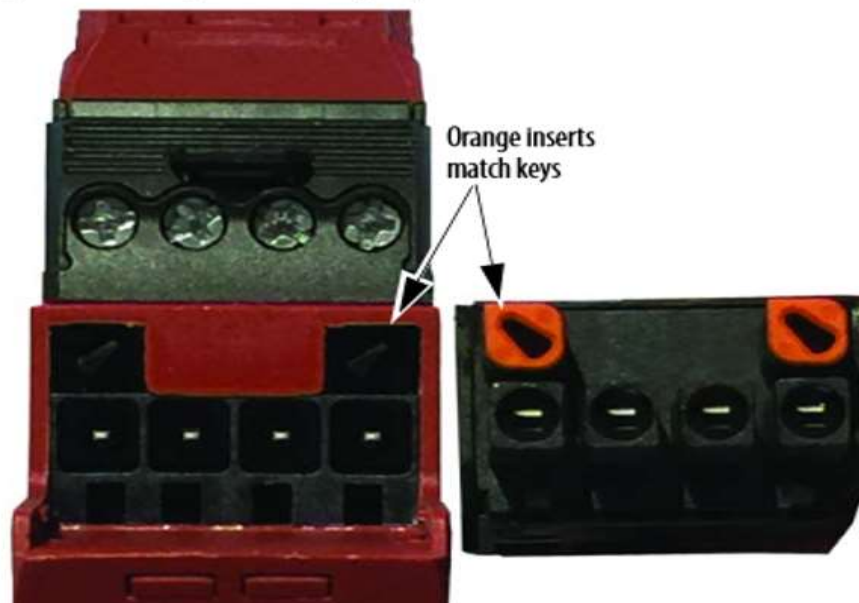
Keeps you from putting them in the wrong place.



COLLABORATIVE ENTREPRENEURIAL SPIRIT WINNING THROUGH CUSTOMERS HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST EXPECTATIONS FOR RESULTS RESPECTS AND VALUES PEOPLE

## GSR Safety Relay

Figure 88 - Orange-colored Keyway



# Programing Step 1



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

## GSR Safety Relay - Programming

### Step #1 – Power Off



## Step 2



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

# 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



## Step 3



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

# 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



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

## 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



COLLABORATIVE ENTREPRENEURIAL SPIRIT    WINNING THROUGH CUSTOMERS    HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST    EXPECTATIONS FOR RESULTS    RESPECTS AND VALUES PEOPLE

## GSR Safety Relay - Programming

**Step #5 – Cycle Power “Off” then “On”**





## 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.

Thank You!



COLLABORATIVE ENTREPRENEURIAL SPIRIT WINNING THROUGH CUSTOMERS HIGH ETHICAL STANDARDS, OPENNESS, AND TRUST EXPECTATIONS FOR RESULTS RESPECTS AND VALUES PEOPLE

