

Omron Slim Relay Product Launch

G2RV-ST & G3RV-ST Slim I/O Relays, February 3rd 2023

Product Manager: Matt Mohr

What is it?!

- Improved 6mm Slim I/O Relays
- Fast Switching Speed for use with PLC I/O
- Mechanical and Solid State Options

Model Number Legend

G2RV-ST □□ □ - □ □
(1) (2) (3) (4) (5) (6)

(1) Basic model name

G2RV: Slim I/O Relay

(2) Sub type

ST: Slim relay + integrated low profile socket

(3) Terminal (wire connection)

50: Push-In Plus Terminal

70: Screw terminal

(4) Latching lever (test switch)

0: Without latching lever

1: With latching lever

(5) Contact structure

Blank: Standard

AP: Microloads

(6) Rated input voltage

12, 24 VDC

24, 48 VAC/VDC

100, 110, 200, 230 VAC

Model Number Legend

G3RV-ST □□ □ - □ - □ □
(1) (2) (3) (4) (5) (6)

(1) Basic model name

G3RV: Slim I/O Solid State Relay

(2) Sub type

ST: Slim solid relay + integrated low profile socket

(3) Terminal (wire connection)

500: Push-In Plus Terminal

700: Screw terminal

(4) Output voltage specification

A : AC output (triac) zero cross function available

AL : AC output (triac) zero cross function not available

D : DC output (MOS FET)

(5) Operation and release time

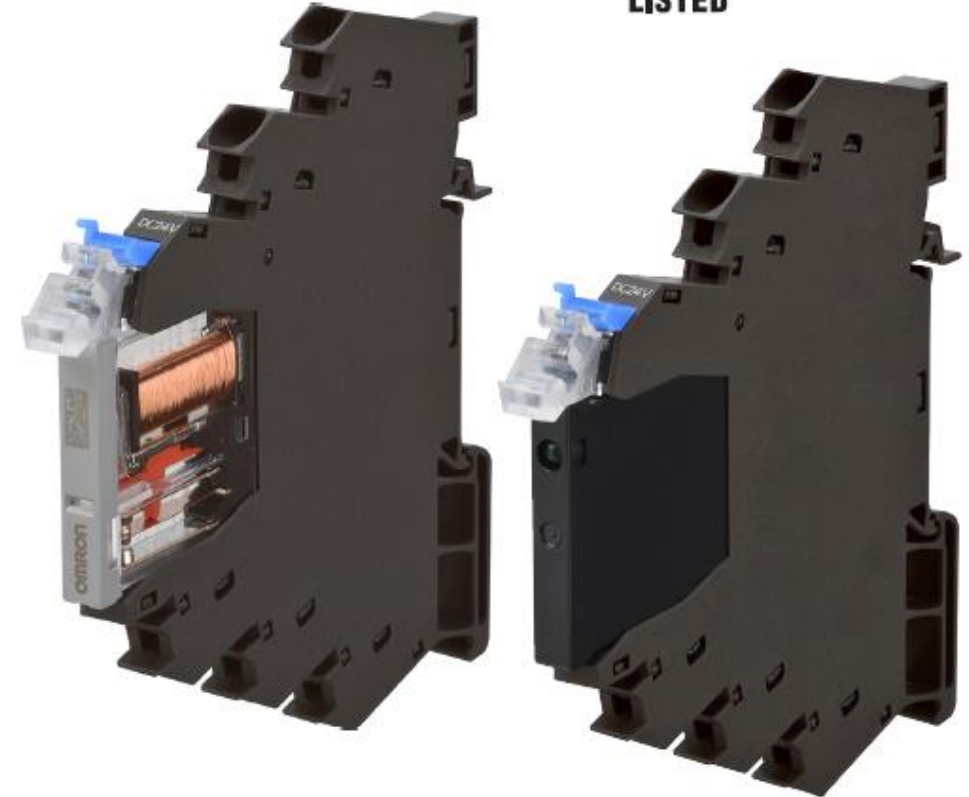
H : High speed type

(6) Rated voltage input

12, 24 VDC

24, 48 VAC/VDC

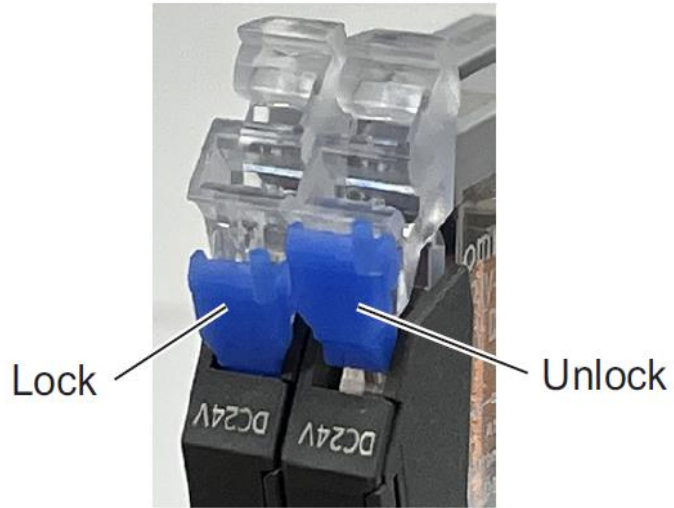
100, 110, 200, 230 VAC



Overview

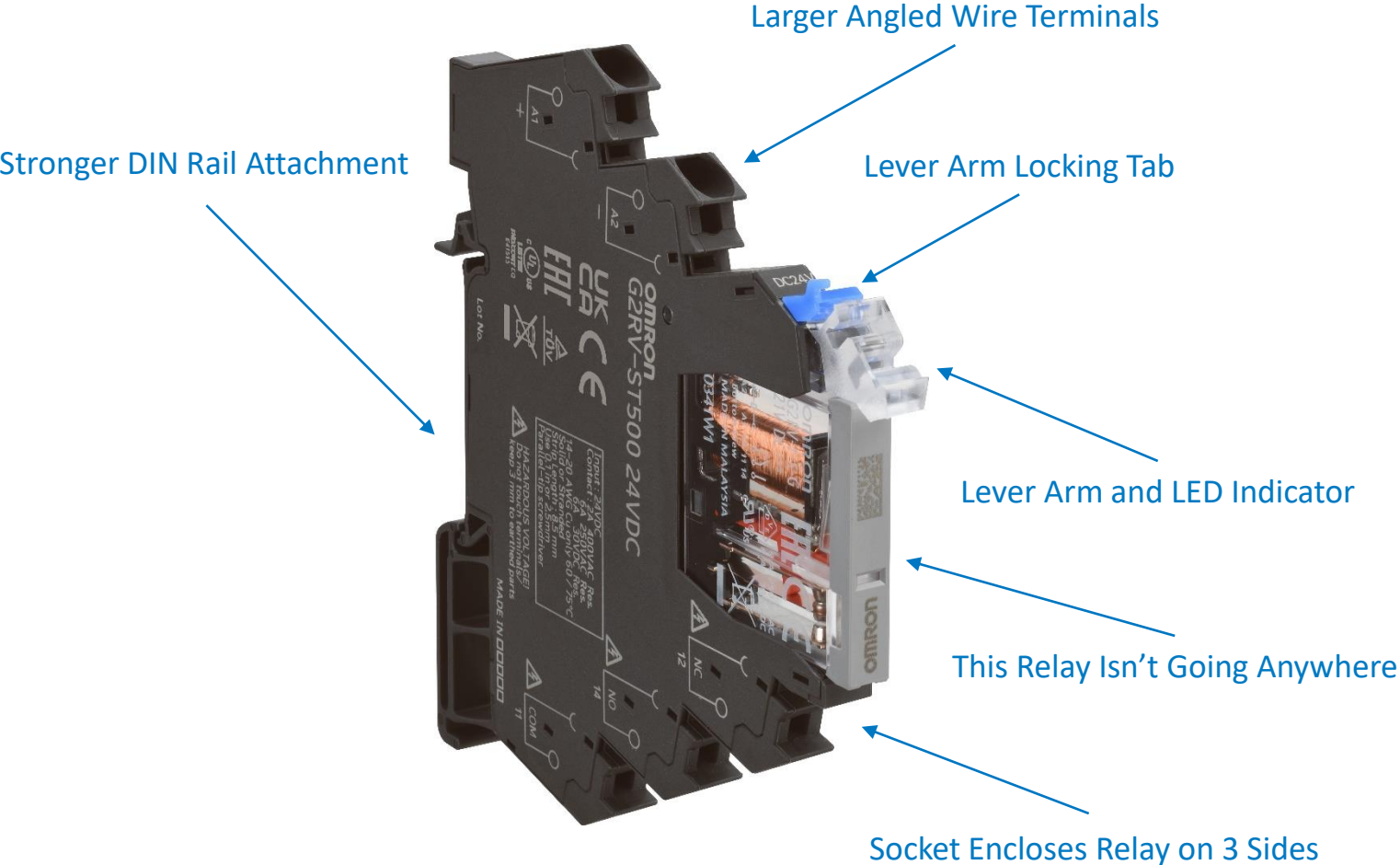
Why is this product important?

- Improved Features
 - Slim relays save up to 60% panel space
 - Improved relay socket and lever arm
 - Upgraded Wire terminal openings for easy wire termination
 - Better visibility for terminal markings and LED indicator
 - Industry leading switching performance designed for PLC outputs
- Solves Problems
 - Improves the general usability of the relay making it easier for customers to install and operate
 - Allows customers to increase panel density by fitting more components into the same amount of space
 - Designed for use with faster switching applications using PLC I/O

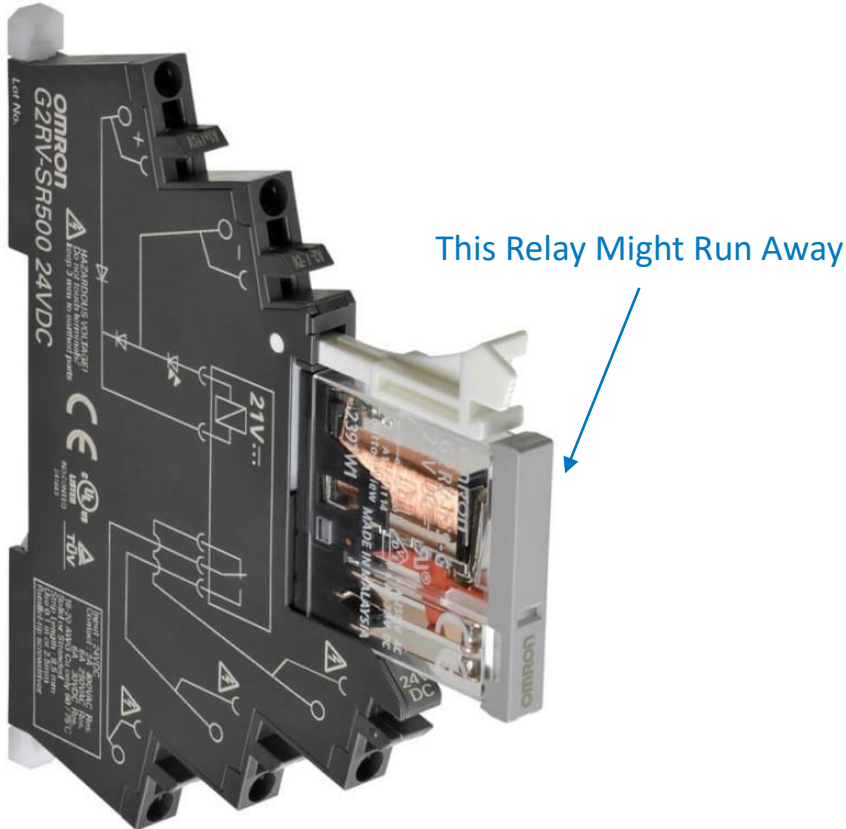


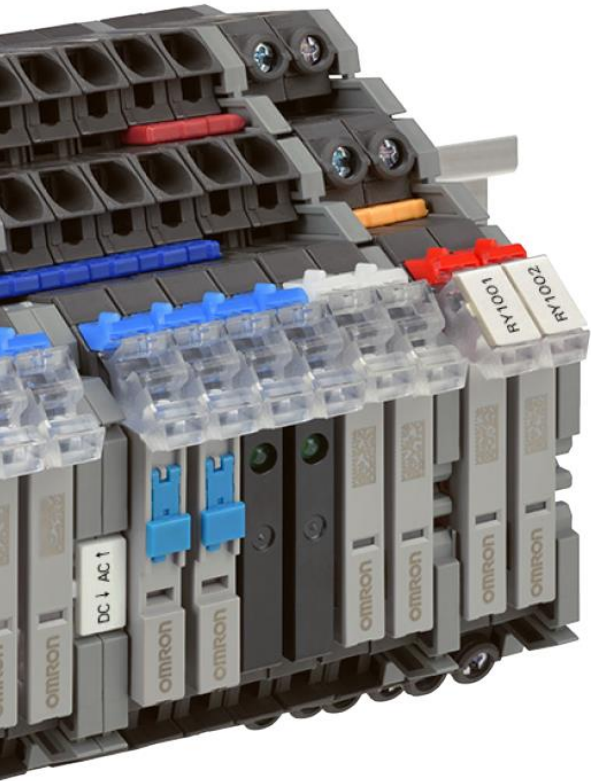
Evolution of a Slim Relay

New G2RV-ST



Old G2RV-SR





Technical Specifications

Input Voltages supported:

- 12 to 48V DC
- 24 to 230V AC

Max Switching Current Supported:

- 6A

Wire Terminal Connections

- Screw Terminal
- Push-In Plus Terminal



Product Positioning

- The new slim relays are being positioned as a 2nd generation product and a replacement to our old slim relays
 - Key features and advantages in the marketplace:
 - Secure locking lever arm and socket enclosure for relay
 - Push-In Plus wiring available
 - Increased visibility for terminal markings and LED indicator
 - Vibration resistance
 - Industry leading switching performance characteristics
 - Designed with Omron's Value for Panel Building methodology (unified component dimensions)



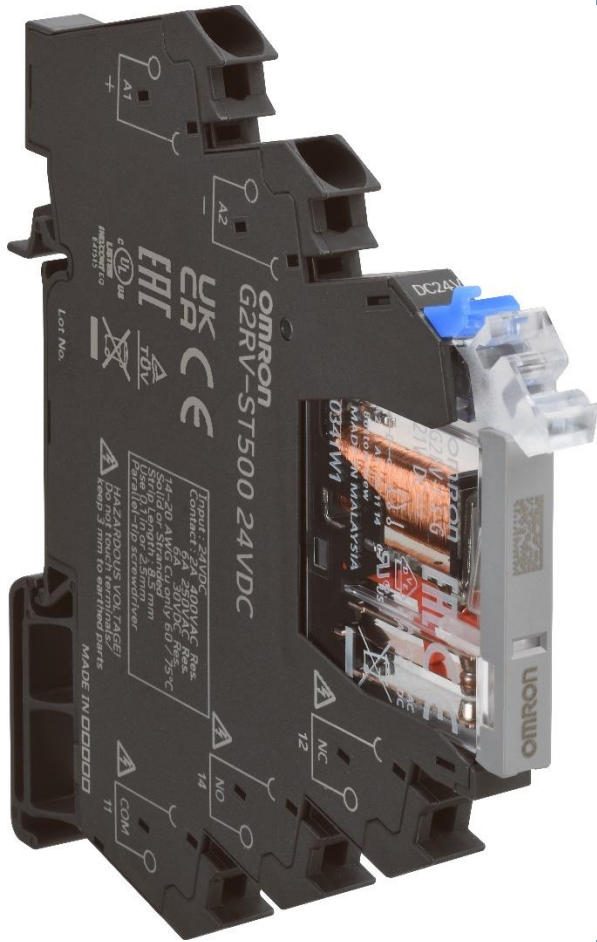
Potential Applications

- Applications (PLC I/O and DCS I/O)
 - Robotic systems
 - Food processing machines
 - Packaging equipment
 - Assembly lines
 - Material handling systems
 - Vision systems
 - Sensors
 - Lighting
 - Heating or Cooling applications
 - Printing machines
 - Corrugating machines
 - and the list goes on....



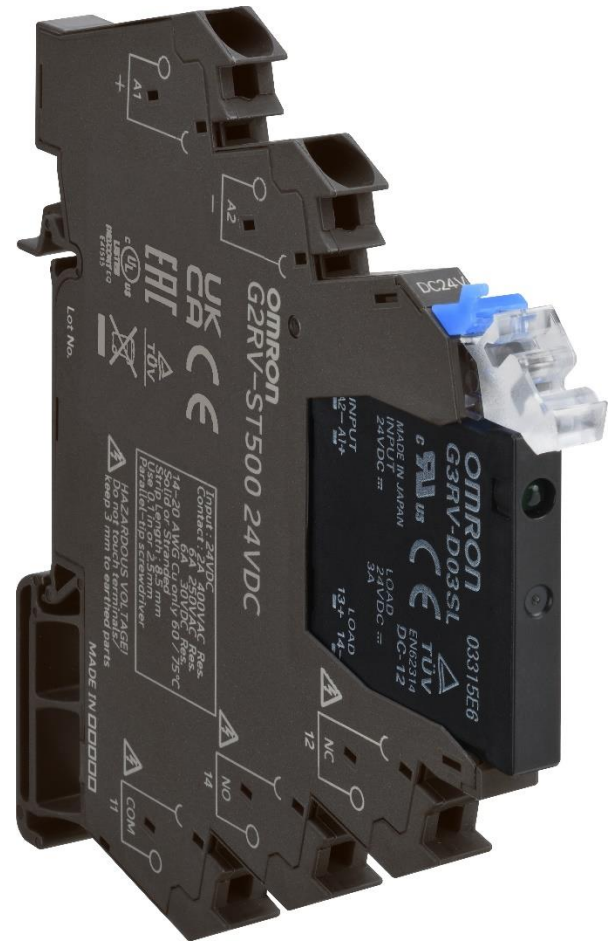
The Slide You've been Waiting For...

- Pricing
 - Pricing for all of the new relays will remain the same as the outgoing models
- Stock
 - Stock is currently available in our warehouse for the 14 most popular part numbers
- Lead Times
 - 60 days as of February 2023
 - Lead times are expected to fall to 30 days by June 2023 as production ramps up



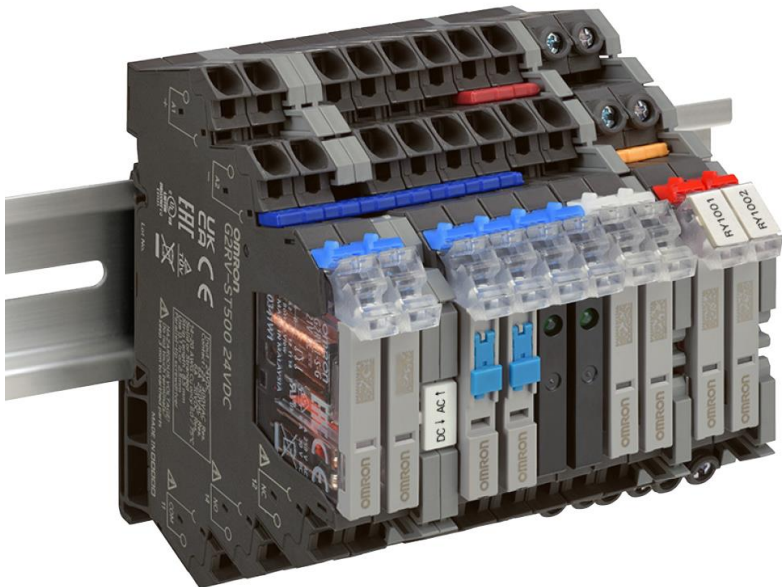
Outgoing G2RV-SR and G3RV-SR

- Product Discontinuation
 - Both the G2RV-SR and G3RV-SR will have their discontinuation formally announced in March of 2023
 - Discontinuation will happen at the end of March 2024
 - Orders will be accepted until Friday, March 29th of 2024
 - 12 months to convert to the new ST relays



Summary

- Product:
 - Designed to save space, easier to use, faster operation to work with PLC I/O
 - Key Features
 - Small Form Factor
 - Locking Level Arm
 - Improved Indicator Visibility





Questions

Answers