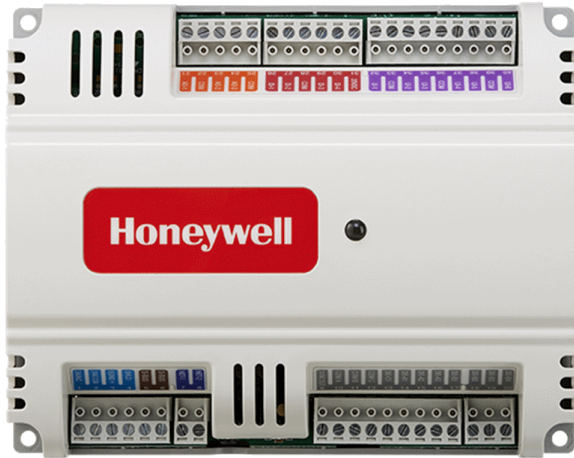


# Relay Wiring for Stryker<sup>®</sup> CVAHU Configurable Controllers

## INSTALLATION INSTRUCTIONS

### PRODUCT DESCRIPTION



The Stryker CVAHU controller is part of the Stryker family. These controllers are designed to control HVAC equipment, specifically constant-volume air handling units. Each controller is configurable through software and has flexible, universal inputs for external sensors, digital inputs, analog and digital relay outputs. The Stryker CVAHU controller has 8 24VAC relay outputs. The relay outputs are rated for 200,000 cycles, 1 Amp continuous current and 3.5 Amps inrush for 100 milliseconds (1/10th of a second).

Table 1. Stryker with Relays OS numbers

Controller Model	Comm. Protocol	Universal Inputs (UI)	Digital Inputs (DI)	Analog Outputs (AO)	Digital Relay Outputs (DO)
CUL6438SR-CV1	LonWorks	6	4	3	8

### WIRING

The relay outputs are internally designed to provide up to 3 isolated “banks” of contacts. The factory installs removable jumpers between 24VAC and common of relay banks A (three outputs) and B (four outputs). The last relay remains isolated but could be jumped in the field if desired. The diagram below represents the internal schematic of the digital output circuitry.

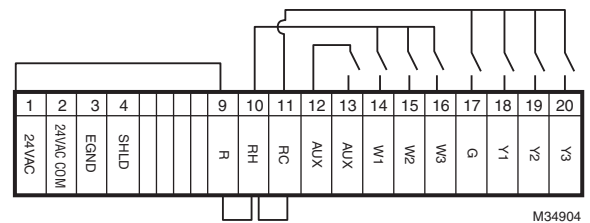


Fig. 1. Internal Digital Output Circuitry

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#### Automation and Control Solutions

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