HST ©

HM201-R

Addressable Relay Output Module

SPECIFICATIONS

Nominal Operating Voltage::   15 to 28 VDC

Standby Current: ≤ 1mA @ 24 VDC

Maximum Alarm Current (LED on:) ≤ 5 mA @ 24 VDC

Maximum(NAC):   Regulated 24VDC

Max Relay Contacts Current Ratings: 2A/DC24V, 1A/220VAC

EOL resistance of input :   4.7K Ohms

EOL resistance of output :   47K Ohms

Operating Humidity Range: 10% to 93% Relative Humidity, Non-condensing

Operating Temperature Range: -10°C to50°C

Dimension: 120 mm L x 80mm W x 43mm H

Weight: 185 g

INSTALLATION WIRING

Terminal Description

T14- Loop Input+

T15- Loop Input-

T11- Switch Input IN1

T10- Switch Input IN2

T1- Relay Contact NC

T2- Relay Contact COM

T3- Relay Contact NO

T7- DC24V+ Input

T8- DC24- Input

T5- DC24V+ Output

T6- DC24- Output
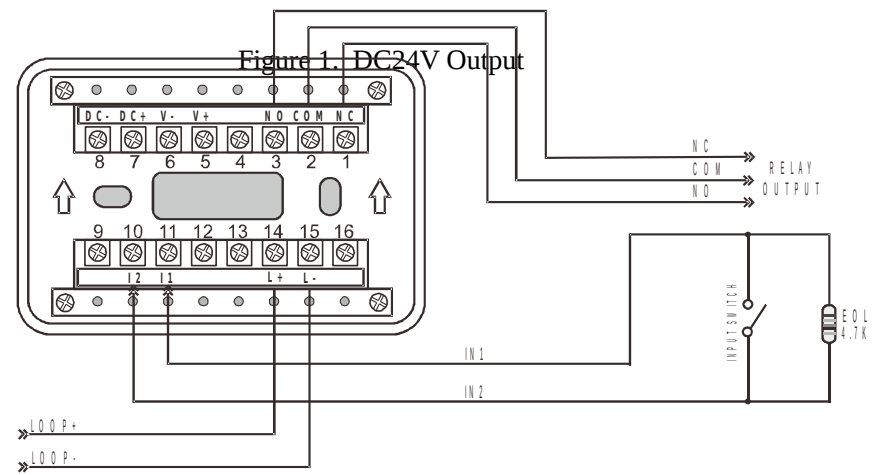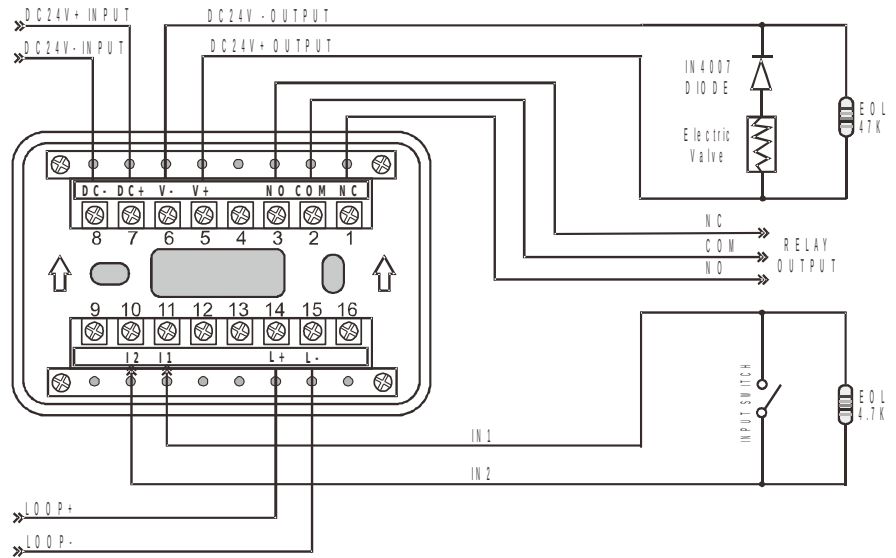

Figure 1. DC24V Output

Figure 2. Relay Contacts Output

BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the control panel installation manual for detailed system information. If the modules will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

NOTICE: This manual should be left with the owner/user of this equipment.

GENERAL DESCRIPTION

The Relay Output Modules are intended for use in addressable, two wire systems, where the individual address of each module is programmed in the MCU's Flash memory. This module is used to switch an external power supply, which can be a DC power supply or an audio amplifier (up to 80 VRMS), to notification appliances. It also supervises the wiring to the connected loads and reports their status to the panel as NORMAL, OPEN, or SHORT CIRCUIT.

Compatibility Requirements

To ensure proper operation, this module should only be connected to a compatible control panel.

Mounting and Wiring

NOTE: This module is intended to be wired and mounted without rigid connections inside a standard electrical box. All wiring must conform to applicable local codes, ordinances, and regulations.

1. Connect the loop (+) and loop (–) wires to the Terminal 14 and Terminal 15.

2. Connect Relay Contacts Output NO,COM,NC to the external equipment.

3. If you wan to provide DC24V to the external equipment, you should contact DC24V input to the power supply and DV24V output to the external equipment. Otherwise one diode (1N4007) should be connected serial with the electric valve.

2. Connect the Terminal 11(IN1) and Terminal 10(IN2) to a two wire, normally open initiating loop.

3. Install the specified EOL resistor 4.7K value to terminate the initiating loop.

4. Program the address on the module per job drawings.

5. Install the module in the desired mounting location