



Series 5

Discrete DC Output

Local CM (CM-2-201)

This document specifies the CM-2-201 isolated Discrete Output (DO) Conditioning Module (CM). The CM provides a dc solid state relay contact and accepts a dc input signal. This module has a green LED indicator that shows the module has power across the relay coil.

Refer to the following data sheets for additional information:

- *Vanguard Control System Hardware Specifications* [DS5001]
- *Vanguard Environmental Specifications* [DS5002]
- *Reliant Control System Hardware Specifications* [DS5051]
- *Reliant Environmental Specifications* [DS5052]

Table 1 CM-2-201 Specifications

Part Number	CM-2-201
Nominal Operating Range	0 to 220 Vdc nom
Load Current	1.0 A at temperatures up to 75 °C, linearly decreasing to 20 mA at 100 °C
Contact State	Normally-open or normally-closed contacts (NO default)
Fuse	2.5 A 250 V type F (5X20 mm glass)
On-State Voltage	1.75 Vdc max voltage drop
Input Voltage	18 to 32 Vdc @ 9 mA max
Certified Safety Limit	Common Mode: 240 Vrms
Destructive Limit	Common Mode: 1500 Vrms
	Differential: 260 Vdc
Dimensions	2.2" high x 0.65" wide x 1.9" deep (5.6 x 1.7 x 4.8 cm)

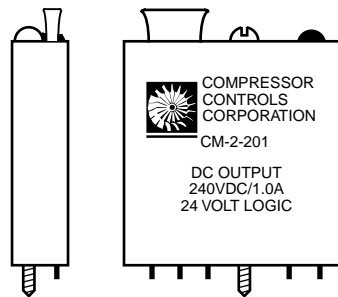


Figure 1 CM-2-201 Discrete Output Module

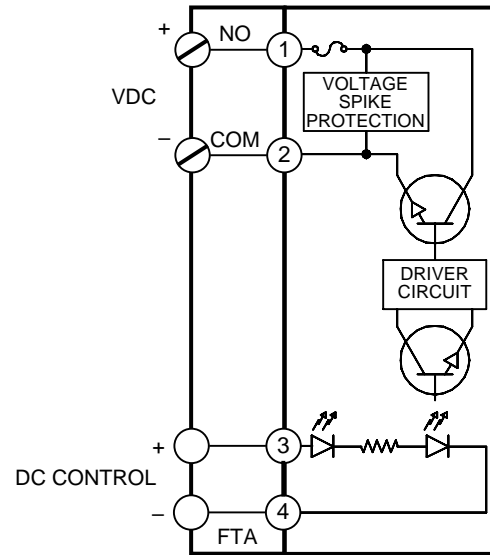
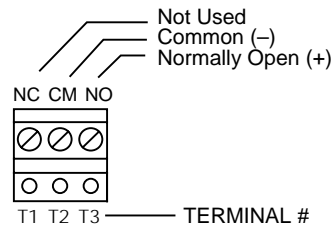


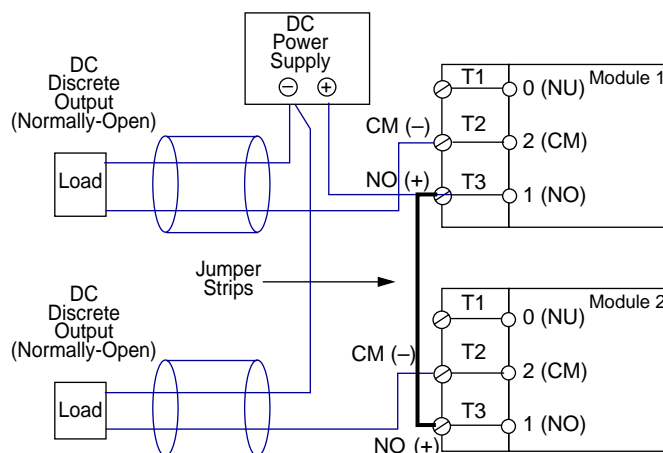
Figure 2 Discrete Output CM Wiring Block Diagram

Caution: Load-polarity reversal can permanently damage the module.

Note: External power source is required for all discrete output channels.

Local conditioning modules can be installed in the following assemblies. See the following data sheets for additional information.

- *Vanguard Simplex Discrete I/O FTA* [DS5204]
- *Vanguard Duplex Discrete I/O FTA* [DS5206]
- *Vanguard High-Density Discrete Output FTA* [DS5131]
- *Reliant SC Controller* [DS5152]



Note: Jumper strips can be used to connect power to multiple channels.

Figure 3 CM-2-201 Field Wiring Diagram