

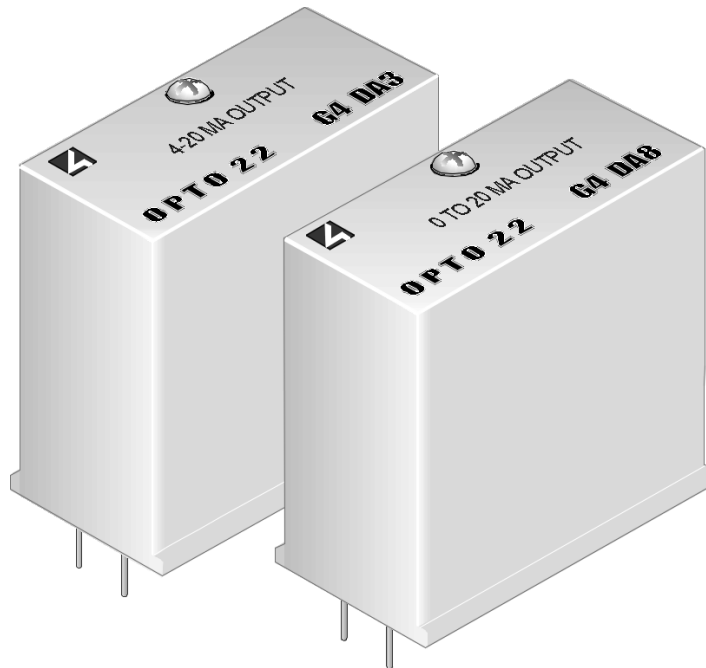
## DATA SHEET

Form 425-010206

### Description

The modules provide a single channel of transformer and optically-isolated digital-to-current conversion for 0-20 mA and 4-20 mA current loops. One of the unique features is that the isolated loop supply can be provided by the modules. This eliminates the need for the user to provide the loop power supply (typically 15-48 V) and also saves the associated wiring, barrier strips, etc. The modules also include complete electrical channel-to-channel isolation, which eliminates troublesome ground loop problems. Modules plug into an Opto 22 Modular controller or an analog I/O brick and are secured by a captive screw. The field connections are made through four contacts to the terminal strip located on the brick base or controller I/O board.

Part Numbers	Description
G4DA3	4 to 20 mA Output
G4DA8	0 to 20 mA Output



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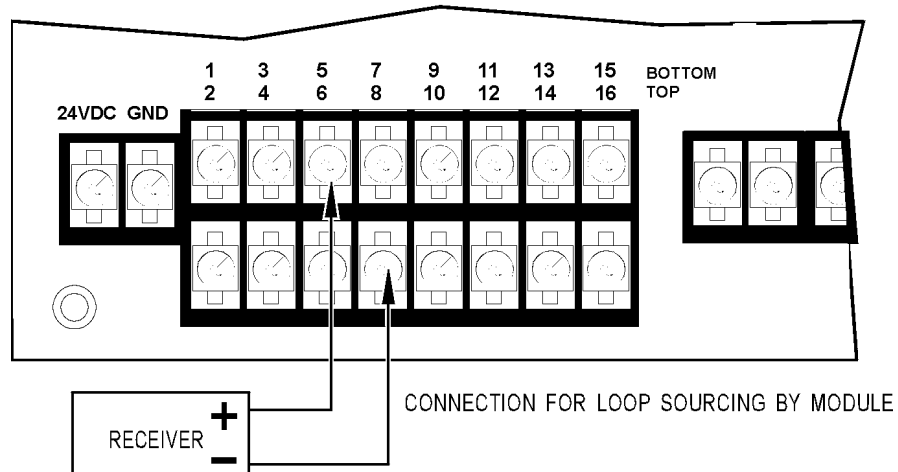
### Specifications GENERAL SPECIFICATIONS

Response time	Full scale step change in 3 ms
Maximum loop resistance when sourcing loop	650 W
Resolution	12 bits
Isolation (Transient) Input-to-output Input-to-analog supply	4,000 Vrms 4,000 Vrms
Ambient temperature	-30° to 70° C
Storage	-40° to 85° C

	G4DA3	G4DA8
Output Current	4-20 mA	0-20 mA
Accuracy	16 $\mu$ A	20 $\mu$ A

### Connections

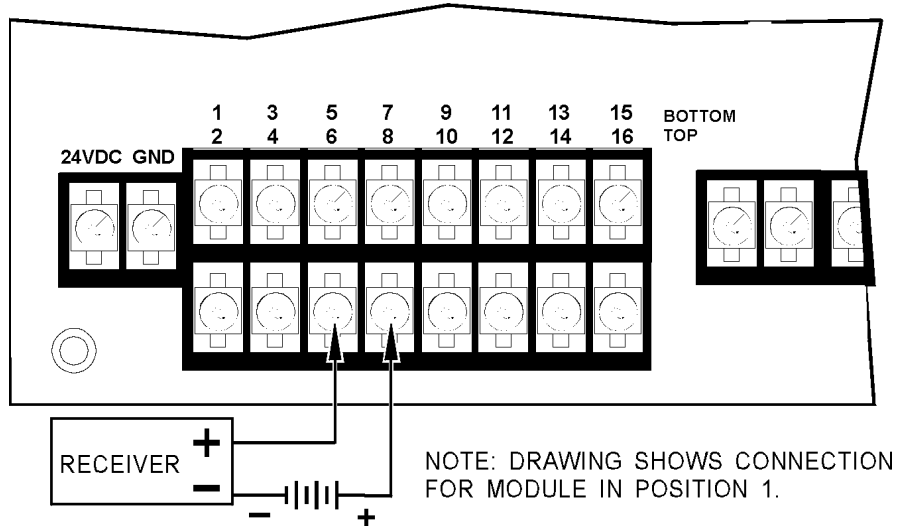
NOTE: PICTURE SHOWS CONNECTION FOR MODULE IN POSITION 1.



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### Connections

#### EXTERNAL LOOP SUPPLY CONNECTION



#### ALTERNATE EXTERNAL LOOP SUPPLY CONNECTION

