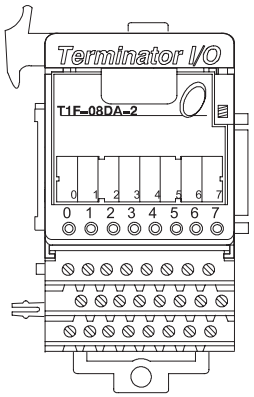
Analog Voltage Output Module

T1F-08DA-2 <--->

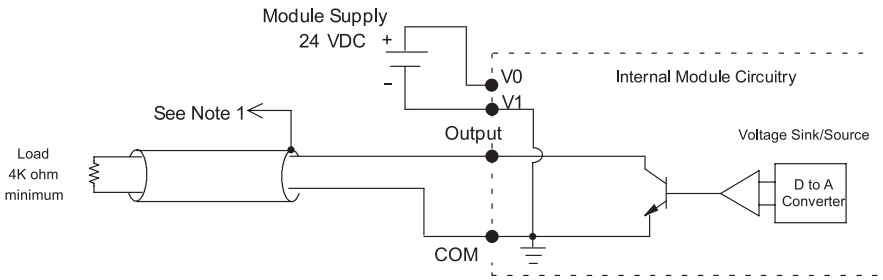
8-channel
analog voltage output module

The 8-channel voltage output module uses a T1K-08B or T1K-08B-1 base, which is purchased separately.



T1F-08DA-2 Analog Output Specification	
Number of Channels	8
Output Ranges	0-5V, 0-10V, ± 5V, ± 10V
Output Type	Single-ended, 1 common
Resolution	12 bit (1 in 4096)
Peak Output Voltage	15VDC
Load Impedance	4KΩ min.
Load Capacitance	0.01µF max.
Linearity Error (end to end)	± 2 counts max. ± 0.05% of full scale max.
Conversion Settling Time	100 µs max. full scale change
Full Scale Calibration Error	± 12 counts max.
Offset Calibration Error	10 V ranges: ± 6 counts max. 5V ranges: ± 11 counts max.
Accuracy vs. Temperature	± 50 ppm/°C full scale calibration change
Max. Full Scale Inaccuracy (% of full scale). all errors included	10V ranges: 0.2% @ 25°C 0.4% @ 60°C 5V ranges: 0.3% @ 25°C 0.5% @ 60°C
Master Update Rate	8 channels per scan max.
Output Points Required	256 discrete pts. or 8 Dwords (32-bit words) (network interface dependent)
Base Power Required	75 mA @ 5 VDC
External Module Power Required	21.6-26.4 VDC, 150 mA, class 2
Weight	145 g

Equivalent Output Circuit



NOTES:

1: Shields should be connected to the 0V terminal of the module or the 0V of the power supply.

2. Unused current outputs should remain open (no connections) for minimum power consumption.