

OPTO 22

DATA SHEET

Form 442-050705

I/O MODULES STANDARD ANALOG OUTPUT

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Description

The current output modules provide a single channel of optically-isolated digital-to-current conversion. The "T" module is transformer isolated which eliminates any ground loop problems. Modules plug into any Standard Classic analog I/O rack and are secured by a captive screw.

Part Numbers	Description
DA3	4-20 MA Output
DA3T	4-20 MA Output Isolated
DA8	0-20 MA Output



Output Ranges by Module

	DA3	DA3T	DA8
Output Current	4 - 20 mA	4 - 20 mA	0 - 20 mA
Accuracy	16 μ A	16 μ A	20 μ A
Power Requirements	20 mA at +15 VDC 10 mA at -15 VDC	22 mA at +15 VDC 22 mA at -15 VDC	20 mA at +15 VDC 10 mA at -15 VDC

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Specifications

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Response Time	Full scale step change in 3 ms
Resolution	12 bits
Isolation Input-to-Output Input-to-Analog Supply (T Modules)	4,000 Vrms 4,000 Vrms
Temperature Operating Storage	0° C to 70° C - 25° C to 85° C

DA3T: All of the lower A terminals on the mounting rack are tied together. These provide a convenient tie point for shared loop source return. To use the DA3T with a common loop supply, connect any one lower A terminal to the shared loop source "-", then jumper upper A to lower A for each DA3T.

Connections

