

Appendix B: Analog Output Module Configuration

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— Analog Output Module Control Byte

Analog Output Module Control Byte

The Terminator I/O analog output modules are configured using the **Module Control Byte** located in the most significant byte of the most significant word of channel 1 of the module. The “I/O Memory Map and Analog Module Resolution” chapter in the Terminator Installation and I/O Manual (T1K-INST-M) covers memory mapping for the Terminator I/O modules.

Channel 1 Memory Map of 8&16-Channel Analog Output Module (T1F-08DA, T1F-016DA)									
Decimal Bit	07	06	05	04	03	02	01	00	Size
Octal Bit	07	06	05	04	03	02	01	00	
Analog Value Channel 1									Write Byte 1
Analog Value Channel 1									Write Byte 2
not used									Byte3
Module Control Byte									Write Byte 4

Module Control Byte of 8&16-Channel Analog Output Module (T1F-08DA, T1F-16DA)									
Decimal Bit	31	30	29	28	27	26	25	24	Read/Write
Octal Bit	37	36	35	34	33	32	31	30	
Bit 24	Outputs Enable 0 = All outputs OFF 1 = All outputs Enabled								Write
Bit 25	Unipolar / Bipolar 0 = Unipolar selected 1 = Bipolar selected								Write
Bit 26	5V / 10V Range 0 = 5V range 1 = 10V range								Write
Bit 27	0 – 20mA / 4–20mA Range 0 = 0 – 20mA range 1 = 4 – 20mA range								Write
Bit 28 – 31	Reserved for system use								–