

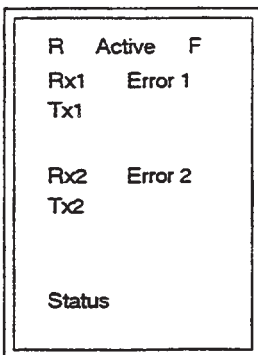
Modicon 140 ESI 062 10 ASCII Interface Module

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The ASCII Interface Two Channel module is a Quantum communications interface module used to input messages and/or data from an ASCII device to the CPU, output messages and/or data from the CPU to an ASCII device, or bi-directionally exchange messages and/or data between an ASCII device and the controller.

LED Indicators and Descriptions



LEDs	Color	Indication when On
R	Green	The module has passed powerup diagnostics
Active	Green	Bus communication is present
F	Red	The module has detected a fault
Rx1	Green	Received data on RS-232C Port 1
Tx1	Green	Transmitted data on RS-232C Port 1
Rx2	Green	Received data on RS-232C Port 2
Tx2	Green	Transmitted data on RS-232C Port 2
Status	Yellow	Status
Error 1	Red	There is an error condition on Port 1
Error 2	Red	There is an error condition on Port 2

LED Blinking Sequence

The following table shows the blinking sequence of the F, Status, Error 1, and Error 2 LEDs. Also included is a table of Status LED crash codes.

LEDs and Blinking Sequence				Description
F	Status	Error 1	Error 2	
Blinking	Blinking	Blinking	Blinking	The ASCII module is initializing (first powerup)
OFF	ON	OFF	OFF	Programming mode
OFF	OFF	ON	N/A	Serial Port 1 incurred a buffer overrun
OFF	OFF	N/A	ON	Serial Port 2 incurred a buffer overrun
N/A	Blinking (See the next table)	OFF	OFF	The ASCII module is in kernel mode and may have an error

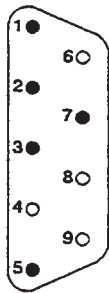


Status LED Crash Codes

Number of Blinks	Code (in hex)	Error
Steady	0000	Requested kernel mode
4	6631	Bad microcontroller interrupt
5	6503	RAM address test error
6	6402	RAM data test error
7	6300	PROM checksum error (EXEC not loaded)
	6301	PROM checksum error
	630A	Flash-message checksum error
8	8000	Kernal other error
	8001	Kernel PROM checksum error
	8002	Flash program error
	8003	Unexpected executive return

Front Panel RS-232C Ports

The ASCII module has two serial ports which it uses to communicate with serial devices. The following is the pinout connections for the ASCII module serial ports.



- - Connection
- - No Connection

Pin Number	Signal Name	Description
1	DCD	Carrier Detect
2	RXD	Receive Data
3	TXD	Transmit Data
4	N/A	Not Connected
5	GND	Signal Ground
6	N/A	Not Connected
7	RTS	Request to Send
8	N/A	Not Connected
9	N/A	Not Connected
Shield	N/A	Chassis Ground

Front Panel Push Button

A recessed push button on the front of the ASCII module is used to reset the module and also to enter the module's programming mode (programming mode uses Port 1). The button is held in the pushed-in position until the Status LED is ON steady, usually 2 - 3 seconds.



For complete information concerning this module, please obtain a copy of the *Quantum Automation Series 140 ESI 062 10 Interface Module User Guide* (840 USE 108 00) and a copy of the *Quantum Automation Series Hardware Reference Guide* (840 USE 100 00) from your distributor or local sales office.