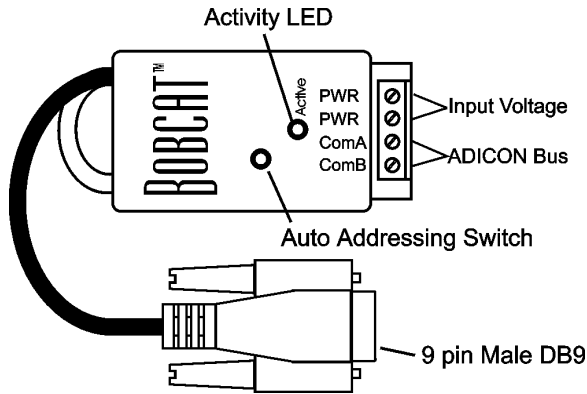# ASCII Bobcat™

Introduction

The ASCII Bobcat provides an interface from the ADICON system to serial controlled devices. The data transfer is output only from the Bobcat, it will not receive serial data.

Specifications

Power: Input Voltage   9 - 12V DC or AC
                    Input Current Max   30mA

Dimensions: 1.3"W x 2.5"L x 0.6"D
                    6' DB-9 Male

Operating
    Temperature: 32ºF to 158ºF

ASCII Message
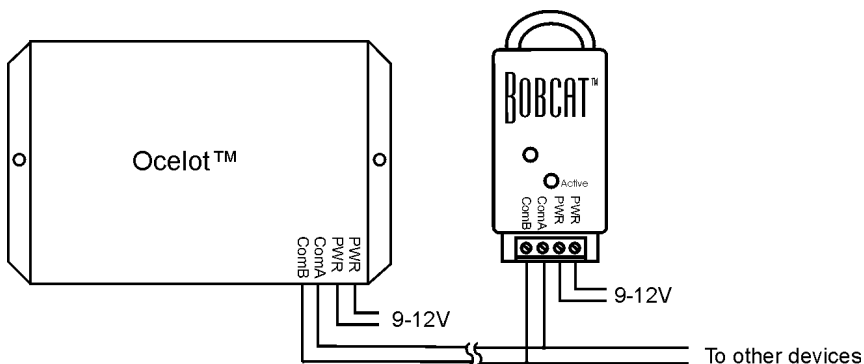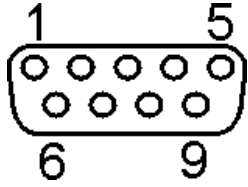   Capacity   128 Message, 32 bytes per message

Setup

Figure 1. Typical Wiring Diagram

Cable Pinout

Pin	Function
2	Receive (not used)
3	Transmit
5	Ground

Operation

LED Codes
ON solid – Bobcat™ has not been addressed
Slow Blink – Bobcat™ has a valid address
Fast Blink – Auto address mode active
On solid, then Rapid blink - ADICON™ communications active

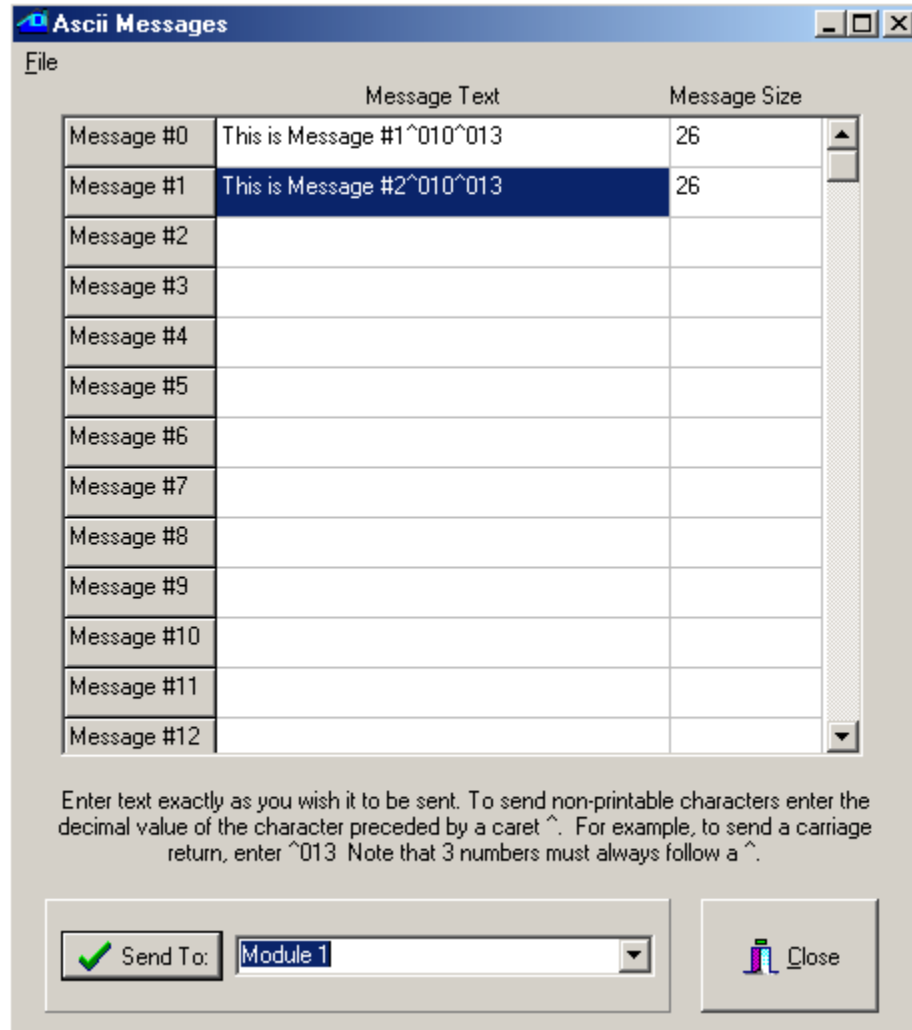| Parameter	Function	Comments
1	Module Address	Default = 1
5	Baud Rate	0 = 1200
		1 = 2400
		2 = 4800
		3 = 9600 (Factory Default)
		4 = 19200
		5 = 38400
		6 = 57600
6	Data Bits	0 = 7
		1 = 8 (Factory Default)
7	Parity	0 = None (Factory Default)
		1 = Odd
		2 = Even

Table 1. ASCII Bobcat™ Parameters

Changing the Bobcat™ Parameters

C-Max™ is used to change a parameter value. Below is a sample screen of the Module parameter utility. In this example we change the baud rate from 9600 to 2400 by changing parameter 5 from 3 to 1. For more information about changing module parameters see the application note *Changing Module Parameters*.
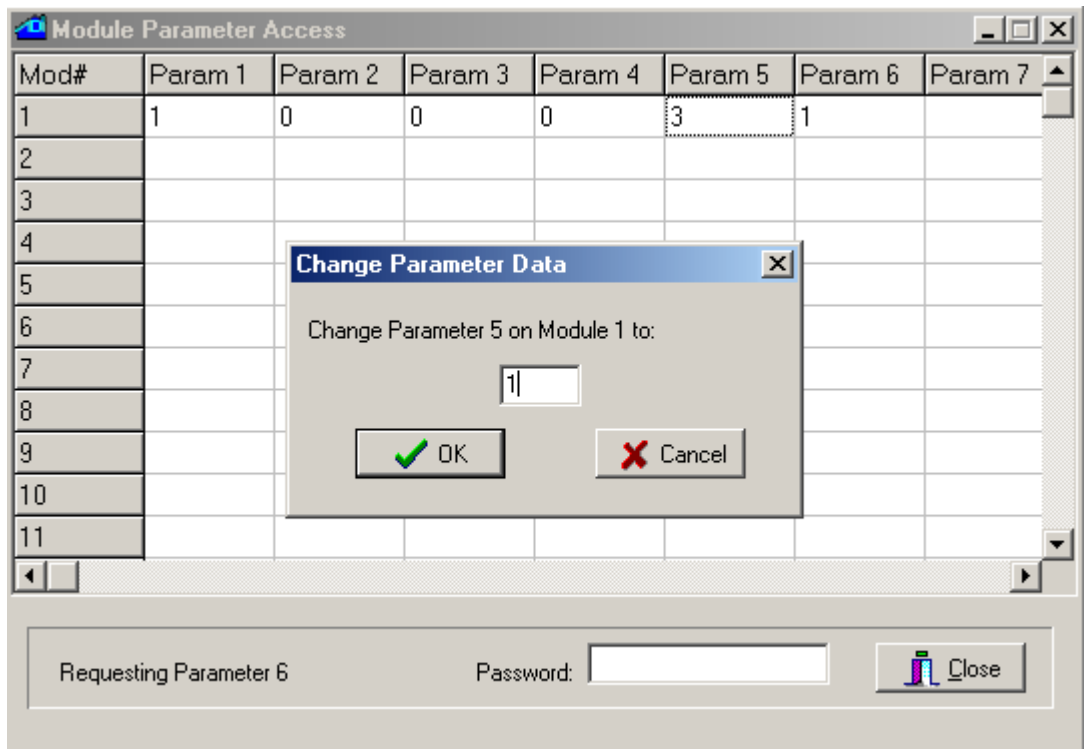
Storing ASCII Message in the ASCII Bobcat™

Messages stored in the ASCII Bobcat are entered using the ASCII Messages screen as shown below. The ASCII Message screen is accessible from the CPUXA Access screen in C-Max. Once all messages have been entered select the module number for the ASCII Bobcat and click the Send To button to download the messages into the ASCII Bobcat. The ASCII Messages screen will disappear and the CPUXA Access screen will show the progress of the download.

	Message Text	Message Size
Message #0	This is Message #1^010^013	26
Message #1	This is Message #2^010^013	26
Message #2		
Message #3		
Message #4		
Message #5		
Message #6		
Message #7		
Message #8		
Message #9		
Message #10		
Message #11		
Message #12		

Enter text exactly as you wish it to be sent. To send non-printable characters enter the decimal value of the character preceded by a caret ^. For example, to send a carriage return, enter ^013 Note that 3 numbers must always follow a ^.

✓ Send To: Module 1   🚪 Close

Testing ASCII Bobcat™ Messages

ASCII Bobcat messages may be transmitted manually using the Transmit ASCII Message screen available in the Module Utilities of the CPUXA Access screen.
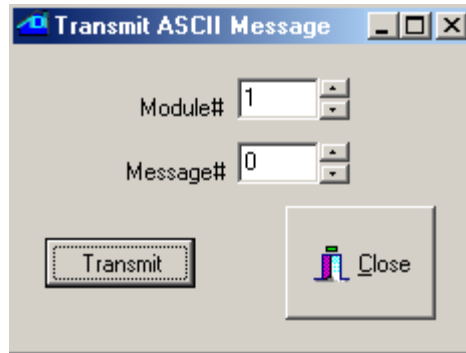
Using ASCII Bobcat™ Messages

The following code snippet is an example of using the ASCII Bobcat.