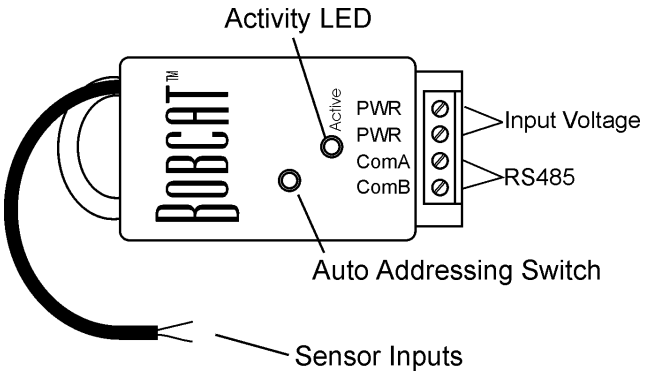
Contact Sensor Bobcat™



Introduction

The Contact Sensor Bobcat™ is a single point module for detecting contact closures such as relays or switches.

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	
	Probe Cable 18”	
Operating Temperature:	32ºF to 158ºF	

Setup

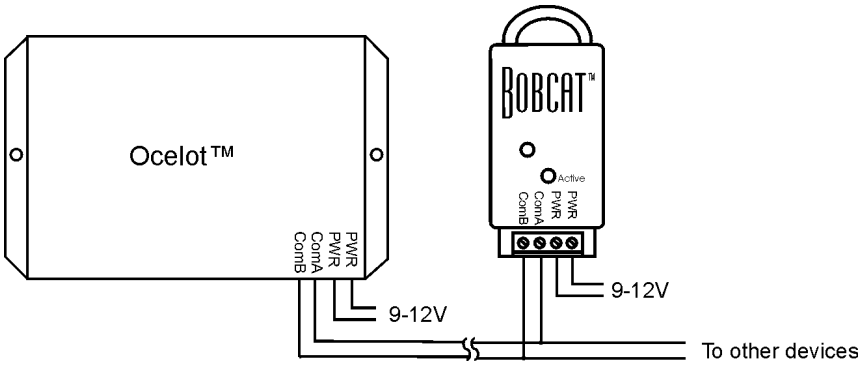


Figure 1. Typical Wiring Diagram

Note: The Bobcat™ may be used outdoors but must be installed in an area so that it will not get wet!

CAUTION: The inputs are designed for contact closure only. There should be no power connected to the contacts!

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

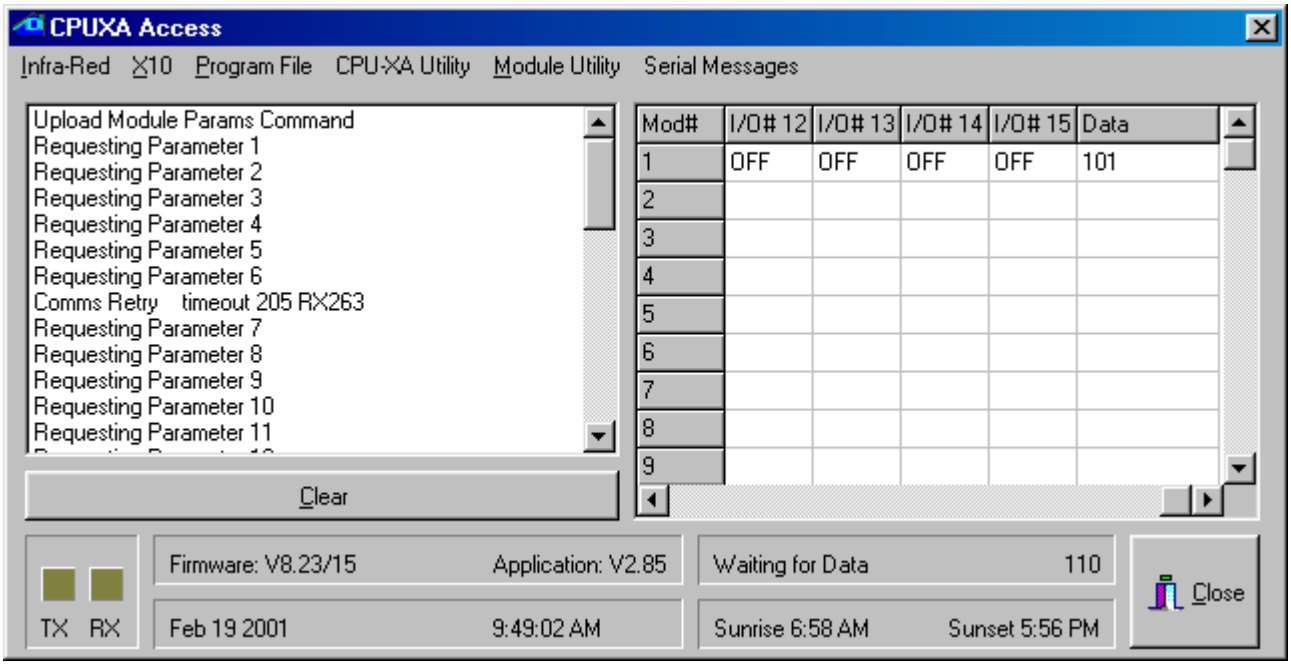
Parameter	Function
1	Module Address

Table 1. Contact Sensor Bobcat™ Parameters

The Contact Sensor Bobcat™ will return a 0 when the contacts are open and a 1 when the contacts are closed.

Viewing Bobcat™ data using C-Max™

The CPUXA access screen of C-Max™ now has a data field to show the decimal value of data returned by a module. To view the data field, move the horizontal scroll bar all the way to the right. See the sample screen below. Data shown for a Bobcat™ module will be offset by 100, that is, the value shown is 100 greater than the actual data.



Accessing the Bobcat™ data

Example: Announcing that someone has come through the front door.

Let's say that we have a Contact Closure Bobcat™ monitoring a switch on the front door. The Bobcat™ is at address 3 and we have a SpeakEasy™ connected at address 1. The following example show how to play a message when the front door opens.

Line#	Program Text	Comments	Reference
1	If Bobcat# 3 Data becomes = 1	If the front door opens	0067-0300-0065
2	Then Transmit Module# 1/ Message# 2	Speak "Front Door" Message	06E0-0102-0000