

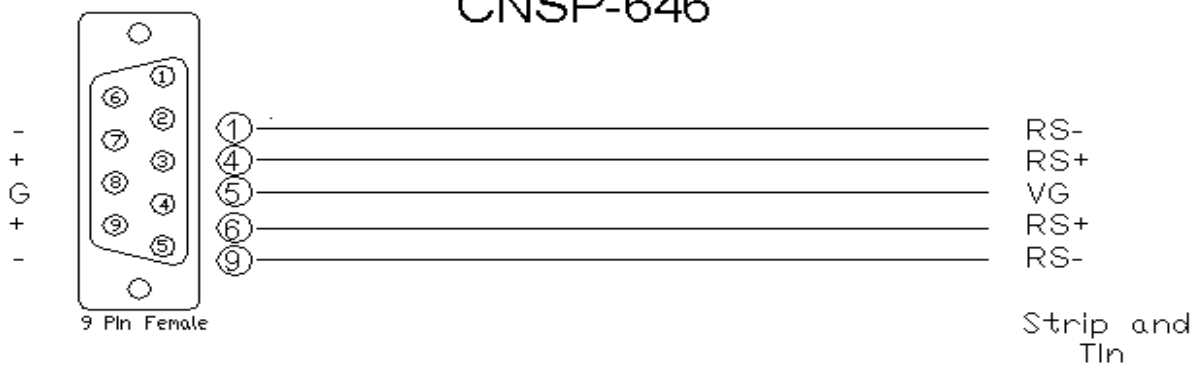
**Partner: SonarGuard**  
**Model: SonarGuard**  
**Device Type: Pool & Spa**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	SonarGuard
<b>CATEGORY:</b>	Pool & Spa
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This module controls the SonarGuard and provides true feedback.
<b>GENERAL NOTES:</b>	<p>This module will allow the SonarGuard to be armed and disarmed. The SonarGuard provides the Crestron system with true feedback.</p> <p>NOTE: The Standby Time LEDs indicate 30-minute increments. They only indicate that a 30-minute increment is active. They do not indicate the time remaining in the 30-minute increment. i.e. LED 2 will be high when there is between 31 and 60 minutes remaining.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	CNXCOM, C2COM, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS485 Baud: 19200 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	V1.36
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-646

Rear View of Connector



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**CONTROL:**

Key_Arm	D	Pulse to arm the system.
Key_*	D	Pulse to enter the pin code to put the system into standby mode.
Key_Up/Down	D	Pulse to increase or decrease the standby time.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

**FEEDBACK:**

Auto_Standby_Fb	D	High to indicate that the Auto Standby LED is lit on the remote keypad.
Rough_Water_Fb	D	High to indicate that the unit is in the rough water mode. NOTE: The unit CANNOT be armed in rough water mode.
Call_Service_Fb	D	High to indicate that the unit needs to be serviced.
Power_Failure_Fb	D	High to indicate that the unit has lost AC power.
Low_Battery_Fb	D	High to indicate that the battery is low.
Armed_Fb	D	High to indicate that the unit is armed.
Alarm_Fb	D	High to indicate that the unit is in alarm.
Standby_Time_Remaining_LED_*	D	High to indicate the time remaining before the unit automatically arms. These represent 30-minute increments. They correspond to the LEDs on the remote keypad.
To_Device\$	S	Serial signal to be routed from a 2-way serial com port.

**TESTING:**

OPS USED FOR TESTING:	PRO2: 3.117; CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	SonarGuard Demo PRO2; SonarGuard Demo CNMSX
REVISION HISTORY:	V. 1.0