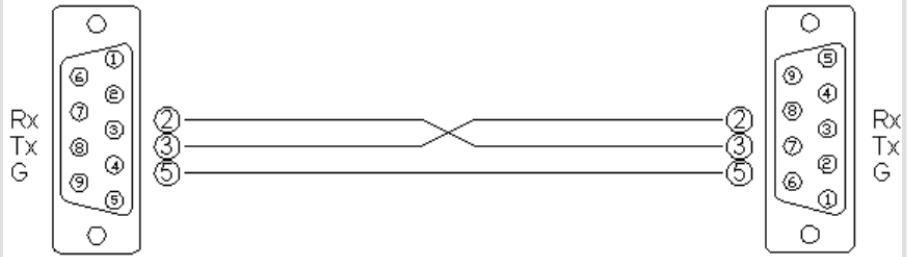


Partner: Basalte  
 Model: Sentido  
 Device Type: Device Interface



**GENERAL INFORMATION:**

<b>SIMPLWINDOWS NAME:</b>	Basalte Sentido v1.1
<b>CATEGORY:</b>	Device interface
<b>VERSION:</b>	v1.1
<b>SUMMARY:</b>	This module controls the Basalte Keypads Trough RS485
<b>GENERAL NOTES:</b>	This module controls the Basalte Keypads via RS485. It is possible to create one extra command with every keypad by using the multitouch output. The module offers functionality to change the backlight color and returns feedback for backlight and temperature.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS485 Baud:38400 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	Connected Serial Com Port of the Crestron Processor with the RS485 Interface of the Basalte Serial hub.
<b>CABLE DIAGRAM:</b>	

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**CONTROL:**

<b>Select_To_Initialize</b>	D	Pulse to initialize the keypad and to disable the "continue temperature polling".
<b>Select_To_Turn_Backlight_Off</b>	D	Pulse to turn the backlight totally off.
<b>Select_To_Turn_Backlight_On</b>	D	Pulse to turn the backlight on.
<b>Select_Backlight_Off</b>	D	Pulse to turn the backlight off.
<b>Select_Red_Backlight_Color</b>	D	Pulse to activate the red backlight color.
<b>Select_Green_Backlight_Color</b>	D	Pulse to activate the green backlight color.
<b>Select_Blue_Backlight_Color</b>	D	Pulse to activate the blue backlight color.
<b>Select_Cyan_Backlight_Color</b>	D	Pulse to activate the cyan backlight color.
<b>Select_Magenta_Backlight_Color</b>	D	Pulse to activate the magenta backlight color.
<b>Select_Yellow_Backlight_Color</b>	D	Pulse to activate the yellow backlight color.
<b>Select_Orange_Backlight_Color</b>	D	Pulse to activate the orange backlight color.
<b>Select_Purple_Backlight_Color</b>	D	Pulse to activate the purple backlight color.
<b>Select_White_Backlight_Color</b>	D	Pulse to activate the white backlight color.
<b>Send_Red_Backlight_Pulse</b>	D	Pulse to activate the red backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Green_Backlight_Pulse</b>	D	Pulse to activate the green backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Blue_Backlight_Pulse</b>	D	Pulse to activate the blue backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Cyan_Backlight_Pulse</b>	D	Pulse to activate the cyan backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Magenta_Backlight_Pulse</b>	D	Pulse to activate the magenta backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Yellow_Backlight_Pulse</b>	D	Pulse to activate the yellow backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Orange_Backlight_Pulse</b>	D	Pulse to activate the orange backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.

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<b>Send_Purple_Backlight_Pulse</b>	D	Pulse to activate the purple backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_White_Backlight_Pulse</b>	D	Pulse to activate the white backlight color for x seconds, X defined by the "Pulse Time Backlight " parameter.
<b>Send_Puls_To_Get_Temperature</b>	D	Pulse to get the temperature on that specific moment.
<b>Send_Puls_To_Get_Continu_Temperature</b>	D	Pulse to get the temperature every minute.
<b>Backlight_Color_Analog_In</b>	A	Analog signal that indicating the selected backlight color.
<b>From_Device</b>	S	Serial signal that has to be connected with the "sentido_X_Rx" serial output of the "basalte Sentido v1.0 IO" macro. X is the address of the keypad.

### FEEDBACK:

<b>Switch_01_Is_On</b>	D	High to indicate that the switch 01 is on.
<b>Switch_02_Is_On</b>	D	High to indicate that the switch 02 is on.
<b>Switch_03_Is_On</b>	D	High to indicate that the switch 03 is on.
<b>Switch_04_Is_On</b>	D	High to indicate that the switch 04 is on.
<b>Multitouch_Is_On</b>	D	High to indicate that multitouch is on (User has triggered two switches at the same time)
<b>Temperature_Polling_is_Enebled</b>	D	High to indicate that continuously temperature polling is enabled; Low indicate that the continuously temperature polling is disabled.
<b>Backlight_Color_Analog_Out</b>	A	Analog signal indicating the currently selected backlight color. No color:0; Red:1; ...
<b>Temperature_Information</b>	A	Analog signal indicating the current temperature in Celsius or Fahrenheit.
<b>To_Device</b>	S	Serial signal that has to be connected with the "sentido_X_Tx" serial output of the "Basalte Sentido v1.0 IO" macro. X is the address of the keypad.

### PARAMETERS:

<b>Address</b>	Dec./Hex	Parameter that contains the address of the keypad.
<b>Switch 1</b>	Dec	Parameter that is used to enable or disable switch 1 of the keypad. Select enable to activate the switch. Select disable to disable the switch.

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<b>Switch 2</b>	Dec.	Parameter that is used to enable or disable switch 2 of the keypad. Select enable to activate the switch. Select disable to disable the switch.
<b>Switch 3</b>	Dec.	Parameter that is used to enable or disable switch 3 of the keypad. Select enable to activate the switch. Select disable to disable the switch.
<b>Switch 4</b>	Dec.	Parameter that is used to enable or disable switch 4 of the keypad. Select enable to activate the switch. Select disable to disable the switch.
<b>Multitouch</b>	Dec.	Parameter that is used to enable or disable Multitouch of the keypad. Select enable to activate the multitouch. Select disable to disable the multitouch.
<b>Temp Compensation</b>	Dec.	Parameter that will be used to correct the measured temperature. The value of this parameter will be added to the received temperature.
<b>Pulse Time Backlight</b>	Dec.	Parameter indicating the time (in seconds) that the backlight color will be activated when one of the Send_x_Backlight inputs is triggered.
<b>Temperature units</b>	Dec.	Parameter indicating how the keypad will send the temperature. Select 'Celsius' to get the temperature in degrees Celsius. Select 'Fahrenheit' if you want the temperature in degrees Fahrenheit.

## TESTING:

<b>OPS USED FOR TESTING:</b>	V5.000.023
<b>SIMPL WINDOWS USED FOR TESTING:</b>	3.11.06
<b>DEVICE DB USED FOR TESTING:</b>	40.00.006.00
<b>CRESTRON DB USED FOR TESTING:</b>	30.00.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	787
<b>SAMPLE PROGRAM:</b>	Basalte Sentido v1.1 Pro2 Demo
<b>REVISION HISTORY:</b>	v1.1