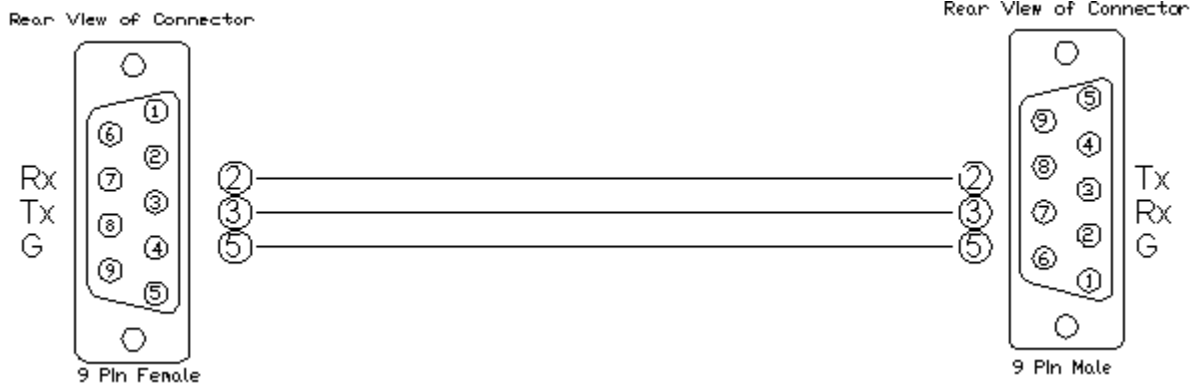


Partner: Cool Automation
Model: CM5
Device Type: HVAC



GENERAL INFORMATION

| | |
|------------------------------------|--|
| SIMPLWINDOWS NAME: | CoolAutomation CoolMaster NET CoreModule v1.0.umc |
| CATEGORY: | HVAC |
| VERSION: | 1 |
| SUMMARY: | |
| GENERAL NOTES: | Suits generation 2 and 3 Crestron controllers |
| CRESTRON HARDWARE REQUIRED: | C2I-COM, ST-COM, C2-COM-* or CNX-COM2, any Crestron controller with 2-way RS232 port or LAN |
| SETUP OF CRESTRON HARDWARE: | RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1 LAN: TCP/IP Client (default port is 10102) |
| VENDOR FIRMWARE: | 0.0.7 |
| VENDOR SETUP: | |
| CABLE DIAGRAM: | |



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CONTROL:

| | | |
|--------------------------------------|---|---|
| Line_1_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 1 ON |
| Line_1_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 1 OFF |
| Line_2_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 2 ON |
| Line_2_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 2 OFF |
| Line_4_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 4 ON |
| Line_4_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 4 OFF |
| Line_5_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 5 ON |
| Line_5_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 5 OFF |
| Line_6_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 6 ON |
| Line_6_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 6 OFF |
| Line_7_ALL_Units_ON_Press | D | Pulse to turn ALL units on Line 7 ON |
| Line_7_ALL_Units_OFF_Press | D | Pulse to turn ALL units on Line 7 OFF |
| HVAC_Celsius/Fahrenheit_Toggle_Press | D | Pulse to toggle between Celsius and Fahrenheit states. |
| Poll_Enable | D | Remain high to poll all the units every Poll TIME. Polling the system doesn't affects other commands. While a command should be sent the polling process will stop immediately. Poll TIME can be set in the parameters field. |
| Initialize | D | Pulse to synchronize the state of all signals with the real state of all units. |
| fromModules | S | Serial data signal to be routed from thermostat module. |
| fromCoolMaster | S | Serial data signal to be routed from a 2 way com port or TCP/IP Client. |

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PARAMETERS:

| | | |
|-----------|---|--|
| Poll TIME | T | <p>TIME parameter representing the poll time (e.g.: 60s will cause the program to send poll command every 60 seconds.). It is recommended to set the Poll TIME to at least 120s in order to reduce the network traffic.</p> <p>After every command sent to CoolMaster the module will also execute status request command. That makes polling the entire HVAC system every short time kind of unnecessary.</p> |
|-----------|---|--|

FEEDBACK:

| | | |
|----------------------|---|---|
| HVAC_Fahrenheit_fbck | D | Latches high to indicate that degrees are in Fahrenheit format. |
| toModules | S | Serial data signal to be routed to thermostat module. |
| toCoolMaster | S | Serial data signal to be routed to a 2 way com port or TCP/IP Client. |

TESTING:

| | |
|----------------------------------|---|
| OPS USED FOR TESTING: | |
| SIMPL WINDOWS USED FOR TESTING: | 4.02.52 |
| DEVICE DB USED FOR TESTING: | 58.05.002.00 |
| CRES DB USED FOR TESTING: | 47.00.003.00 |
| SYMBOL LIBRARY USED FOR TESTING: | 901 |
| SAMPLE PROGRAM: | CoolAutomation CoolMaster NET v1.0 Demo MC3 |
| REVISION HISTORY: | v1.0 – Initial Release |