Partner: Goldline Controls
Model: AQ-CO-Serial
Device Type: Miscellaneous

CERTIFIED
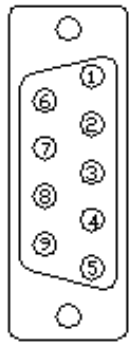CRESTRON®
Integrated Partner

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Goldline Controls AQ-CO-Serial v1.0
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	Controls a Goldline Pool controller.
GENERAL NOTES:	This module will control a Goldline pool controller. The control is provided through a Goldline AQ-CO-SERIAL serial interface and will provide the same I/O functions of the controller that the interface is connected to. The module was developed while communicating with a Goldline PS-8 controller. To display the two lines of serial text please use a font that contains characters that all have the same width. If not, they might not align properly.
CRESTRON HARDWARE REQUIRED:	CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 2
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-587

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CNSP-587 Standard Download Cable
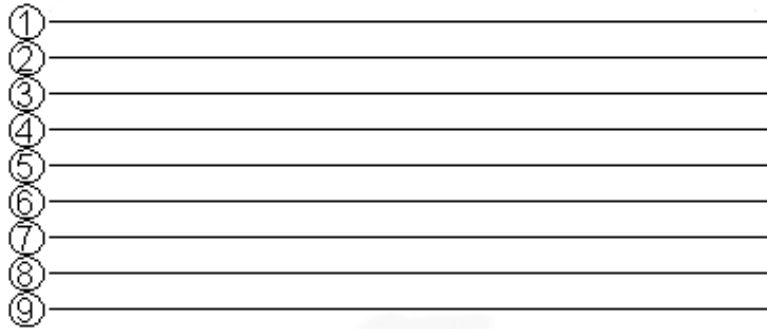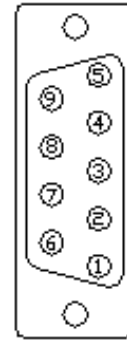
CONTROL:

System_Off/On	D	Pulse to turn the system off or on.
Menu	D	Pulse to select the menu function.
Arrow_Left	D	Pulse to select the arrow left function.
Arrow_Right	D	Pulse to select the arrow right function.
Plus	D	Pulse to select plus function.
Minus	D	Pulse to select minus function
Pool/Spa/Spillover	D	Pulse to scroll through pool, spa or spillover functions.
Filter	D	Pulse to enable/disable filter.
Lights	D	Pulse to enable/disable lights.
Heater1	D	Pulse to enable/disable heater1.
Valve3	D	Pulse to enable/disable valve3.
Valve4	D	Pulse to enable/disable valve4.
Aux1	D	Pulse to enable/disable aux1.
Aux2	D	Pulse to enable/disable aux2.

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Aux3	D	Pulse to enable/disable aux 3.
Aux4	D	Pulse to enable/disable aux 4.
Aux5	D	Pulse to enable/disable aux 5.
Aux6	D	Pulse to enable/disable aux 6.
Unlock_Config_Menu	D	Press and hold for 5 seconds to unlock the configuration menu. Will only work when "Configuration Menu-Locked" is displayed on screen.
From_Device$	S	Serial signal to be routed from an RS-232C port.

FEEDBACK:

System_Off_Fb	D	High to indicate when system is off.
Service_Fb	D	High to indicate when in service mode.
Pool_Fb	D	High to indicate when pool is enabled.
Spa_Fb	D	High to indicate when spa is enabled.
Spillover_Fb	D	High to indicate when spillover is enabled.
Filter_Fb	D	High to indicate when filter is enabled.
Lights_Fb	D	High to indicate when lights are on.
Heater1_Fb	D	High to indicate when heater1 is on.
Valve3_Fb	D	High to indicate when valve3 is on.
Valve4_Fb	D	High to indicate when valve4 is on.
Aux1_Fb	D	High to indicate when aux1 is on.
Aux2_Fb	D	High to indicate when aux2 is on.
Aux3_Fb	D	High to indicate when aux3 is on.
Aux4_Fb	D	High to indicate when aux4 is on.

Aux5_Fb	D	High to indicate when aux5 is on.
Aux6_Fb	D	High to indicate when aux6 is on.
Line1$	S	Serial signal displaying line one of the Goldline LCD display.
Line2$	S	Serial signal displaying line two of the Goldline LCD display.
To_Device$	S	Serial signal to be routed to an RS-232C port.

TESTING:

OPS USED FOR TESTING:	v3.155.1240
SIMPL WINDOWS USED FOR TESTING:	v2.10.24
CRES DB USED FOR TESTING:	v19.2.5.
SYMBOL LIBRARY USED FOR TESTING:	v538
SAMPLE PROGRAM:	Goldline Controls AQ-CO-Serial v1.0 Demo PRO2.smw
REVISION HISTORY:	v1.0