

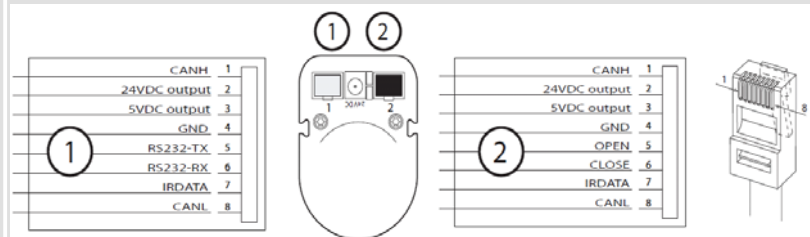
Partner: Goelst
 Model: G-Rail
 Device Type: Shades/Drapes



GENERAL INFORMATION:

SIMPL WINDOWS NAME:	Goelst G-Rail Communication v1.0
CATEGORY:	Shades/Drapes
VERSION:	V1.0
SUMMARY:	This macro handles all communication between the G-Rail curtain motors and the Crestron processor.
GENERAL NOTES:	<p>This macro handles all communication between the G-Rail curtain motors and the Crestron processor.</p> <p>All data received from the G-Rail system is parsed and send out to the corresponding "To_Curtain_Motor" output.</p> <p>The communication module also gathers all commands which are needed to send out to the G-Rail system. These commands will come from the 2 other Goelst G-Rail modules.</p> <p>There is the possibility to connect up to 30 motors to one "Goelst G-Rail Communication v1.0" macro. The Main Group is automatically set as "1". In the Future it will be possible to change the Main Group if it is required.</p> <p>This module must be used with the 2 other Goelst G-Rail modules (Motor Status & Commands) in order to be able to use the total functionality of the Goelst G-Rail motor.</p>
CRESTRON HARDWARE REQUIRED:	2/3 series Processor and an available COM port.
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 115200 Parity: E Data Bits: 8 Stop Bits: 2
VENDOR FIRMWARE:	Protocol Rev. 1.0
VENDOR SETUP:	Corresponding Crestron COM port to a TTL-Convertor to scale signal voltage from 12V to 5V. Connect the output of the TTL-Convertor with the RS-232 connector of the G-Rail motor.

CABLE DIAGRAM:



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CONTROL:

From_Device	S	Serial signal that needs to be connected to the RX output of the corresponding COM port.
From_Curtain_Motor_XX	S	Serial signal that needs to be connected to the "From_Curtain_Motor" serial output of the "Goelst G-Rail Motor Status v1.0" macro. XX is the number of the motor (1-30). There is the possibility to connect up to 30 motors to one "Goelst G-Rail Communication v1.0" macro.
Command_To_Device	S	Serial signal that needs to be connected to the "Command_To_Motor" serial output of the "Goelst G-Rail Commands v1.0"macro.

FEEDBACK:

To_Device	S	Serial signal that needs to be connected to the TX input of the corresponding COM port.
To_Curtain_Motor_XX	S	Serial signal that needs to be connected to the "To_Curtain_Motor" serial input of the "Goelst G-Rail Motor Status v1.0" macro. XX is the number of the motor (1-30). There is the possibility to connect up to 30 motors to one "Goelst G-Rail Communication v1.0" macro.

PARAMETERS:

Curtain_ID_XX	Hex.	Parameter that contains the Curtain ID of the motor which need to be observed by the module. XX is the number of the motor (1-30). There is the possibility to connect up to 30 motors to 1 "Goelst G-Rail Communication v1.0" macro.
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TESTING:

OPS USED FOR TESTING:	V4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.02.14
CRESTRON DB USED FOR TESTING:	28.00.011.00
DEVICE DB USED FOR TESTING:	37.00.008.00
SAMPLE PROGRAM:	Goelst G-Rail v1.0 Demo PRO2
REVISION HISTORY:	V. 1.0 – Initial Release