

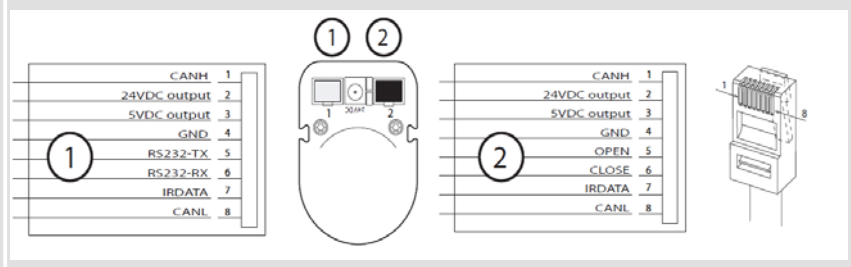
Partner: Goelst  
 Model: G-Rail  
 Device Type: Device Interface



**GENERAL INFORMATION:**

<b>SIMPLWINDOWS NAME:</b>	Goelst G-Rail Motor Status v1.0
<b>CATEGORY:</b>	Shades/Drapes
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This macro allows to retrieve information of a specific motor.
<b>GENERAL NOTES:</b>	<p>This macro allows to retrieve information of a specific motor. It is possible to retrieve the Curtain status, the main groups, the user addresses and the positions.</p> <p>The information will be retrieved from the motor with the matching Curtain ID.</p> <p>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 (Command &amp; Communication) in order to be able to use the total functionality of the Goelst G-Rail motor.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	2/3 series Processor and an available COM port.
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 115200 Parity: E Data Bits: 8 Stop Bits: 2
<b>VENDOR FIRMWARE:</b>	Protocol Rev. 1.0
<b>VENDOR SETUP:</b>	Corresponding Crestron COM port to a TTL-Converter to scale signal voltage from 12V to 5V. Connect the output of the TTL-Converter with the RS-232 connector of the G-Rail motor.

**CABLE DIAGRAM:**





**Certified Module**

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**CONTROL:**

<b>Get_Curtain_Status</b>	D	Pulse to get the Curtain status (Speed, Position, Direction, Fuse is broken).
<b>Get_Main_Groups</b>	D	Pulse to get the Main groups assigned to the motor (Main Group1 - Main Group5).
<b>Get_User_Address</b>	D	Pulse to get the User Addresses assigned to the motor (User Address 0 - User Address 30).
<b>Get_Position</b>	D	Pulse to get the positions and the presets of the motor (Open-Position, Closed-Position, Preset 1 - Preset 5).
<b>To_Curtain_Motor</b>	S	Serial signal that needs to be connected with the "To_Motor_XX" output of the "Goelst G-Rail Communication v1.0" macro.

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FEEDBACK:		
User_Address_XX	D	High to indicate that this User Address is used on this G-Rail motor. Low to indicate that this User Address is not used on this G-Rail motor XX ( 0 – 30 ) , depending of which user address is used.
Fuse_Is_Broken	D	High to indicate that the fuse of the motor is broken. Low to indicate that the fuse in intact.
Response_Is_Arrived	D	High to indicate that the response of the engine is OK. Low to indicate that there is no response yet.
Speed	A	Analog signal to indicate the speed.
Position	A	Analog signal to indicate the position.
Direction	A	Analog signal to indicate the direction. Moving direction of the Curtain motor : "0" = "Not Moving" "1" = "Closing" "2" = "Opening"
Main_Group_X	A	Analog signal to indicate the number of the main group "X". X ( 1 – 5 ), because the one curtain motor can contain maximum 5 main groups.
Motor_Preset_X	A	Analog signal to indicate the position of the motor preset "X". X ( 1 – 5 ), because the one curtain motor can contain maximum 5 presets.
Open_Position	A	Analog signal to indicate the open-position of the motor.
Closed_Position	A	Analog signal to indicate the closed-position of the motor.
Curtain_ID_Sender	A	Analog signal to indicate the senders curtain ID.
Sent_Parameter	A	Analog signal to indicate the hex value of the waned command.
Error	A	Analog signal to indicate the error-message, when there is one.
From_Curtain_Motor	S	Serial signal that needs to be connected with the "From_Motor_XX" output of the "Goelst G-Rail Communication v1.0" macro.

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**PARAMETERS:**

<b>Main_Groups</b>	Dec.	Parameter that contains the Main-group of the G-Rail curtain motor.
<b>Curtain_ID</b>	Hex.	Parameter that contains the Curtain ID of the motor which need to be observed.

**TESTING:**

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