

**Partner: Crestron**  
**Model: KNX**  
**Device Type: (Logic)**



**GENERAL INFORMATION:**

<b>SIMPLWINDOWS NAME:</b>	"Crestron KNX 2 Bit v3.2"
<b>CATEGORY:</b>	System control
<b>VERSION:</b>	V3.2
<b>SUMMARY:</b>	This macro represents one 2 bit KNX data type.
<b>GENERAL NOTES:</b>	<p><b>PLEASE CAREFULLY READ THE KNX GATEWAY MANUAL BEFORE PROGRAMMING.</b></p> <p>This macro represents one 2 bit KNX data type. The macro is assigned a gateway ID to link it to a KNX IO module. The KNX IO module defines the Gateway type (CGEIB-IP or CI-KNX) that will be used to communicate with the KNX system.</p> <p>A KNX ID is assigned by filling in the parameter field "ID". Depending on the selected Gateway type on the KNX IO module a different format needs to be used.</p> <p>CI-KNX:</p> <p>The CI-KNX uses Object IDs that can be found in ETS in the parameter section for CI-KNX. I.e. if CI-KNX Object ID 1 added to the same group address as the 1 bit object that switches a light then the ID parameter on this module should contain "1".</p> <p><b>The CI-KNX supports up to 250 data type modules connected to one KNX IO module.</b></p> <p>CGEIB-IP:</p> <p>The CGEIB-IP uses group address as it is stated in the KNX software. I.e. if your group address is "12/3/255", you copy this exact sequence in the module's "Group Address" parameter. The parameter also allows 2-level group addresses.</p> <p><b>The CGEIB-IP supports up to 500 data type modules connected to one KNX IO module.</b></p>
<b>CRESTRON HARDWARE REQUIRED:</b>	3-Series processor
<b>SETUP OF CRESTRON HARDWARE:</b>	<p>The demo program was written for a CP3.</p> <p>The CGEIB-IP is controlled via TCP/IP. Port: 10001.</p> <p>The CI-KNX is controlled via TCP/IP. Port: 12004.</p>
<b>VENDOR FIRMWARE:</b>	CGEIB-IP: V7.03 CI-KNX: N/A
<b>VENDOR SETUP:</b>	CGEIB-(IP)/CI-KNX connected to the KNX bus
<b>CABLE DIAGRAM:</b>	Standard ethernet cable.

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**CONTROL:**

Poll_Value	D	Pulse to retrieve the current state.
Turn_On_Control	D	Pulse to turn on control.
Turn_Off_Control	D	Pulse to turn off control.
Turn_On_Value	D	Pulse to turn the value on.
Turn_Off_Value	D	Pulse to turn the value Off.

**FEEDBACK:**

Initialization_is_Complete	D	High to indicate that the module is ready to be used.
Control_Is_On	D	Pulses high when control is on.
Control_Is_Off	D	Pulses high when control is off.
Value_Is_On	D	Pulses high when the value is on.
Value_Is_Off	D	Pulses high when the value is off.

**PARAMETERS:**

Gateway ID	Num	This ID should match with one of the Gateway IDs defined on the Crestron KNX IO modules in the program.
ID	S	The KNX data type ID. See general notes.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3: V. 1.501.2867.24563
<b>SIMPL WINDOWS USED FOR TESTING:</b>	V.4.07.03
<b>CRESTRON DB USED FOR TESTING:</b>	V. 64.00.001.00
<b>DEVICE DB USED FOR TESTING:</b>	V. 87.05.001.00
<b>SAMPLE PROGRAM:</b>	"Crestron KNX v3.2 CP3 Demo"
<b>REVISION HISTORY:</b>	V. 3.1 Fixed communication bug in the IO module. Fixed bug for sending the time of the Crestron system to the KNX system. V. 3.2 Added 3 byte data type module Fixed bug for CI-KNX 4 byte and 6 byte data types Updated logic for recovering the connection after a communication failure.