DIGITAL
CONCEPTS

GENERAL INFORMATION

SIMPLWINDOWS NAME:	DC-GW/EO-IP DevIDx1000 I/O Handler v1.0
CATEGORY:	DC-GW/EO-IP
VERSION:	1.0
SUMMARY:	This macro takes care of the communication between the DC-GW/EO-IP gateway with minimum firmware v0.98.13 and the Crestron processor.
GENERAL NOTES:	**PLEASE CAREFULLY READ THE DC-GW/EO-IP MANUAL BEFORE PROGRAMMING.** This macro takes care of the communication between the DC-GW/EO-IP gateway with minimum firmware v0.98.13 and the Crestron processor. This macro will be connected with all the enocean equipment profiles (eep) macros. The IO macro handles connection to DC-GW/EO-IP. It will collect all the control commands of the eep macro and will send them out to the DC-GW/EO-IP. The feedback that the macro receives from the DC-GW/EO-IP will be filtered based on Device ID and will be send out to the correct eep macro only. **Notice** **Without a valid serial number the gateway will be in demo mode.** **In demo mode, only the first 5 DeviceID items are unlocked.**
CRESTRON HARDWARE REQUIRED:	3-Series processor
VENDOR FIRMWARE:	minimum firmware v0.98.13

VENDOR SETUP:	Necessary for Crestron macro setup:
	  - DC-GW/EO-IP IP address
	  - Simple API without encryption (perfomance)
	  - Simple API Port
	  - Simple API Password

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DC

CONTROL

Connect_TCP/IP_Client	D	Hold high to connect to the DC-GW/EO-IP whose IP address, Port and password is entered in in the respective parameters below. This will also login to the gateway, followed by validation of the serial number and retrieve the saved states from DC-GW/EO-IP.
Reconnect_TCP/IP_Client	D	Hold High, then processor will indicates whether the socket should reconnect automatically when disconnected from the DC-GW/EO-IP.
to_ DCGW_EO_IP	S	Serial signal that has to be connected with the serial signal "to_DCGW" of Every actuator eep macro module.

FEEDBACK

TCP/IP_Client_Is_Connected	D	High to indicate that the TCP/IP client is connected to DC-GW/EO-IP.
TCP/IP_Client_Status	A	Analog output indicating the TCP/IP client status.
License_Mode	D	High to indicate that the macro module is in license mode.
Demo_Mode	D	High to indicate that the macro module is in demo mode.
Information$	S	Serial signal for status informations, error messages, after successful connection or even after checking the serial number.
[Feedback_x_Text]	S	Serial signal that has to be connected with the "DCGW_FB" input of the eep macro module that represent the same DeviceID as the one defined by the parameter "deviceID_x". (x = 1 to 500)

PARAMETERS

SimpleAPI Password	S	SimpleAPI password of DC-GW/EO-IP.
GW IPAddress	S	IPAddress of DC-GW/EO-IP.
SimpleAPI Port	S	SimpleAPI port of DC-GW/EO-IP.
Serial Number	S	Serial number parameter for Crestron gateway module. **Without a valid serial number the gateway will be in demo mode.** **In demo mode, only the first 5 DeviceID items are unlocked.**
deviceID_x	S	Serial parameter that represents a DeviceID. All feedback that is intended for this DeviceID will be routed via serial output "Feedback_x_Text". (x = 1 to 500)

TESTING

SIMPLWINDOWS NAME:	MC3: 1.011.0023
SIMPL WINDOWS USED FOR TESTING:	4.03.15
DEVICE DB USED FOR TESTING:	67.05.001.00
CRES DB USED FOR TESTING:	52.05.013.00
SYMBOL LIBRARY USED FOR TESTING:	957
SAMPLE PROGRAM:	DC-GW_EO-IP v1.0 Demo
REVISION HISTORY:	v1.0 – Original Release.