I²P Certified Module

Partner: Daikin
Model: Intelligent Touch Controller
Device Type: Multi-zone HVAC

CRESTRON
CERTIFIED INTEGRATED PARTNER

GENERAL INFORMATION:

SIMPLWINDOWS NAME:	"Daikin Controller v6.0.umc"
CATEGORY:	HVAC
VERSION:	V. 6.0
SUMMARY:	The "Daikin Controller v6.0.umc" macro provides communication between the Daikin TCP/IP interface and the Crestron system.
GENERAL NOTES:	The "Daikin Controller v6.0.umc" macro provides communication between the Daikin TCP/IP interface and the Crestron system. The "Daikin Controller v6.0.umc" macro has to be used in combination with the "Daikin Unit v6.0.umc" macro. The macro offers functionality to retrieve unit info and to poll the units. Daikin and Crestron recommend the following steps when installing and setting up your Daikin. 1) You must use a 10Mbps Ethernet switch installed within 10 feet of the Daikin ITC. 2) One of the following Daikin ITC models must be used: 　　　USA - DCS601C71 (Low Voltage) 　　　International - DCS601C51 (Line Voltage) 3) For OS version 4.51.00 or higher, the HTTP option must be purchased from Daikin to allow Crestron control. The Web Interface option needs to be purchased from Daikin. Only if the web UI is to be used for control or service. 　　HTTP option: 　　　　All - DCS007A51. 　　Web Interface option: 　　　　USA - DCS004A71. 　　　　International - DCS004A51. 4) The "Poll All" command should not be polled more often than once every 30 seconds. We advise to use 60 seconds or more. 5) Daikin does not intend the ITC and/or Daikin Remote Controller to be used as a UI when installed with Crestron control. If the ITC and/or Daikin Remote Controller is to be used as a primary UI, please use Daikin BACnet interface and the GLA-BMS available from Crestron and not the IP module.
CRESTRON HARDWARE REQUIRED:	3-Series processor.
SETUP OF CRESTRON HARDWARE:	Connect the Crestron processor to the Ethernet interface of the Daikin ITC with a standard CAT5 cable.
VENDOR FIRMWARE:	V. 4.51.00 or higher
VENDOR SETUP:	Connect the Ethernet interface of the Daikin iTc or iTm on the same subnet as the Crestron processor.
CABLE DIAGRAM:	Standard CAT5 cable.

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CONTROL:

[Initialize]	D	Pulse to initialize the Daikin system. This will: - Initialize the Daikin Controller - Request Properties of the Units - Request State Of All Units
-	-	*The individual actions are still available in the S+ Module.*

FEEDBACK:

[Initialized_Fb]	D	Pulsed high when the Daikin system is initialized.

PARAMETERS:

IP_Address	S	String parameter that contains the IP address of the Daikin Controller
ApiPort	Int	Integer indicating the port used by the Daikin Controller Api interface. (This is NOT the same as the Web Interface)
Crestron System ID	Int	The ID of the Daikin system. All the Daikin Unit modules that are part of this system should use the same system ID.

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TESTING:

OPS USED FOR TESTING:	V. 1.500.0013
SIMPL WINDOWS USED FOR TESTING:	V. 4.03.24
CRESTRON DB USED FOR TESTING:	V. 57.00.003.00
DEVICE DB USED FOR TESTING:	V. 75.07.002.00
SAMPLE PROGRAM:	"Daikin Demo v6.0 CP3.smw"

REVISION HISTORY:	V. 5.0 - Modules were rewritten in Simpl#
	V. 5.1 - Fixed bug for unit modules that are added to the program but not enabled on the IO module.
	    - Fixed decimals being cut off when setting the setpoint in Celsius mode.
	    - Fixed unit state outputs to output the correct value.
	    - Fixed feedback for Auto Cool and Auto Heat.
	V. 6.0 - Renamed to Daikin Controller since it supports both the iTc as the iTm
	    - Removed need for configuration of Daikin Units on the Controller.
	    - Know issue with Fan Direction is Solved