Daikin: ITC

This module controls a Daikin Intelligent Touch Controller over TCP-IP

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Daikin ITC IO V3_1
CATEGORY:	HVAC
VERSION:	3_1
SUMMARY:	This module controls a Daikin Intelligent Touch Controller over TCP-IP
GENERAL NOTES:	Due to reports of instability we have rewritten the original Daikin modules and created a version 3.4 demo program. This program includes three main modules: - Daikin ITC IO V3_1 - Daikin ITC Feedback Splitter V3_1 - Daikin ITC Unit V3_1 - Please refer to each module's help file and the demo program for correct use. This IO module handles all communication between the Crestron processor and the Daikin ITC. It handles specific communication guide lines set by Daikin. All "Daikin ITC Unit V3_1.umc" modules will route their commands and feedback through this IO module. The module only sends out 1 command every second. All changes made by different "Daikin ITC Unit V3_1.umc" modules are combined in one command. Meaning for example, that for a "power all off" it is actually better to pulse all "[Power_Off]" digital input of the "Daikin ITC Unit V3_1.umc" modules at the same time, compared to putting small delays between pulsing them each separately.
CRESTRON HARDWARE REQUIRED:	2-series processor with Ethernet Card. Use a "TCP-IP Client" symbol set to the IP address of the ITC on port 80.
SETUP OF CRESTRON HARDWARE:	The demo program was written for a PRO2 with an X-Panel
VENDOR FIRMWARE:	V 4.30.01R
VENDOR SETUP:	Daikin's ITC (Intelligent Touch Controller) with Web control option connected to the LAN network

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15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

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CONTROL:

Connect-F	D	To be connected to the Connect-F digital output of the "TCP-IP Client" symbol
Rx	S	To be connected to the RX$ serial output of the "TCP-IP Client" symbol
From_Units	S	Commands coming from the "From_Units" serial outputs of all the "Daikin ITC Unit V3_1.umc" modules in the program. We highly recommend using a "Serial Concatenation" to combine all the different signals. (see demo program)

FEEDBACK:

Connect	D	To be connected to the Connect digital input of the "TCP-IP Client" symbol
Tx	S	To be connected to the TX$ serial input of the "TCP-IP Client" symbol
To_Units	S	To be connected to the "To_Units" serial input of the "Daikin ITC Feedback Splitter V3_1.umc" module.

TESTING:

OPS USED FOR TESTING:	3.155.1240
COMPILER USED FOR TESTING:	2.08.38
SAMPLE PROGRAM:	Daikin ITC Demo Program V3.4.smw
REVISION HISTORY:	Daikin.usp: Original Daikin ITC module Daikin V2.usp: Small changes made to clear bugs Daikin V3_1 Total rewrite of the modules

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