

5106LT Digital Thermostat Module

Specification Data

GENERAL

The 5106LT Digital Thermostat Module (DTM) display and provide space temperature, setpoint and fan mode/speed display for the SCC-300-FCC/SCC-310-FCC Fan Coil Terminal Unit Controller.

Using the Touch-Screen interface, the user can change room temperature setpoint, fan mode/speed.



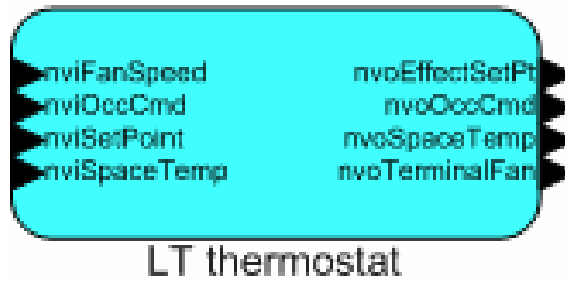
This wall module is compatible with SCC-300-FCC/SCC-310-FCC Fan Coil Terminal Unit Controller.

FEATURES

- Full compatible to all current SCC-300-FCC/SCC-310-FCC Fan Coil Terminal Unit Controller.
- Low power consumption
- LCD display continuously show current space temperature, fan status/mode as configured.
- Touch-screen interface for full navigation and change control of wall module functions.
- Touch screen interface for Setpoint adjustment.
- Integral NTC sensor.
- Fan Speed/Mode commendable for touch screen(*).
- Selectable °F /°C temperature display.
- Separate mounting base for easy installation.

SPECIFICATIONS

CPU	Echelon Neuron 3150,10MHz	
Memory	48Kbytes flash EPROM,8Kbytes SRAM	
LonWorks Transceiver	FTT-10A/FT-X1	
Power supply	30mA(DC) @ 24V(DC) 52mA(DC) @ 12V(DC)	
Power consumption	10~20mA	
Connection	Plug-screw clamp 0.2-2.5mm	
Environment Temperature	Operation	0 ~ +40°C
	Storage	-20 ~ +60°C
Admitted relative humidity	5 ~ 90%, non condensing	
Dimensions	W154.6mm X H102mm X D32mm	
Mounting	Wall mount	
Display & Operation	Service-pin and Reset LED indicator and button	
I/O Channels	one dry contact input channel	
Set point Adjustment Range	Fahrenheit	53.6 to 86°F
	Centigrade	12 to 30°C
Set point Display Resolution	Fahrenheit	1 °F
	Centigrade	0.5 °C
Temperature Display Resolution	Fahrenheit	0.1°F
	Centigrade	0.1°C



Network Variables

NV Name	NV Type	Comment
nviFanSpeed	SNVT_switch	Fan speed control
nviOccCmd	SNVT_occupancy	Occupancy state from other occupancy sensor device.
nviSetPoint	SNVT_temp_p	Setpoint value to 5106LT
nviSpaceTemp	SNVT_temp_p	Space temperature value from other sensor device.
nvoEffectSetPt	SNVT_temp_p	Set point value from 5106LT
nvoOccCmd	SNVT_occupancy	Occupancy command
nvoSpaceTemp	SNVT_temp_p	Space temperature value from 5106LT
nvoTerminalFan	SNVT_switch	Fan speed control for FCU controller

Configuration Properties

CP Name	Comment
(None)	The 5106LT can provide customize display function and thermostat function. For the detail please contact us. (E-Mail: Thomas@nico-tech.com)

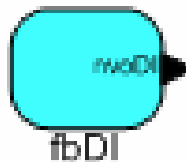


Network Variables

NV Name	NV Type	Comment
nviBuzzer	SNVT_switch	Buzzer control

Configuration Properties

CP Name	Comment
SCPTdefOutput	Buzzer sound frequency.



Network Variables

NV Name	NV Type	Comment
nvoDI	SNVT_switch	5106LT DI channel state

Configuration Properties

CP Name	Comment
SCPTdebounce	Debounce Time This configuration property defines the debouncing time for a hardware sensor.
SCPTlocation	Location Label
SCPTobjMajVer	Functional Block Major Version Number
SCPTobjMinVer	Functional Block Minor Version Number
SCPTovrBehave	Override Behavior
SCPTdefOutput	Default Output
SCPTinvrtOut	Invert Output
SCPTmaxNVLength	Maximum Network Variable Type Length This configuration property specifies the maximum length of a type that may be assigned to a network variable that supports changeable types. It is used with SCPTnvType

SCPTmaxRnge	Maximum Range
SCPTmaxSendTime	Maximum Send Time (Send Heartbeat)
SCPTminRnge	Minimum Range
SCPTminSendTime	Minimum Send Time (Send Throttle)
SCPTnvType	Network Variable Type
SCPTovrValue	Override Value