Datasheet

RCL-PFC Series

LonMark® Certified Powered Fan Coil Configurable Controllers

Overview

The RCL-PFC Series are microprocessor-based configurable controllers designed to control a wide variety of terminal units such as powered fan coil units, unit ventilators, chilled ceilings and small air handling units.

This series can command up to 4 lights and 4 sunblinds through RCx modules. These are add-on modules that operate off of a separate sub-bus, giving this controller the ability to manage lighting and sunblinds for a full cross-management solution forming a single point on the network. These controllers use the LonTalk® communication protocol and are LonMark® certified as SCC Fan Coil controllers.

This series contains four models as follows: RCL-PFC-107, RCL-PFC-108, RCL-PFC-207 and RCL-PFC-208. The RCL-PFC Series supports various input types including sensor, pulse, and digital-based ones. Moreover, they provide analog, floating, and proportional control outputs for valves, heating elements and fans.

These sensors are used for indoor temperature measurement, setpoint adjustment, fan speed selection, and occupancy state override, as well as light and sunblinds management for a complete cross-management integration.

Each controller can be configured using LNS®-based plug-in or the EC-Net^{AX}™ wizard, powered by the Niagara^{AX} Framework®. Either way, a configuration interface exists that simplifies the setup of HVAC and lighting and sunblinds applications through an intuitive menu-based user interface.

Applications

Meets the requirements of the following applications:

- Fan Coil Units
- Unit Ventilators
- Chilled Ceilings
- Small Air Handling Units
- Lighting and Sunblinds when associated to RCx add-on modules

Improves energy efficiency when combined with:

- Motion detectors to automatically adjust a zone's occupancy mode from standby to occupied when presence is detected
- CO_2 sensors as part of a demand-controlled ventilation strategy that adjusts the amount of fresh air intake according to the number of building occupants
- Window-contact sensors

Works with a wide range of sensors and actuators

Features & Benefits

- Easily configurable using LNS-based plug-ins or EC-Net^{AX}-based wizards, allowing you to work with your preferred network management platform
- Most advanced yet cost-effective solution for addressing any terminal unit application, eu.bac certified (RCL-PFC-207 only)
- Expandable with lighting and sunblinds add-on modules for unprecedented adaptability
- Smart cross-management of HVAC, lighting and sunblinds as a whole for up to 45% energy savings
- LonMark certified according to the Interoperability Guidelines Version 3.4
- A single point on the network for the main HVAC controller and its associated add-on modules, leading to easier BMS integration
- Optional strain relief and terminal block cover for flexible installation, in ceilings, closed to lighting and sunblind devices, or directly on HVAC equipments, to reduce wiring costs and expand installation possibilities
- Separable connectors, allowing to start on-site wiring while engineering is done at the office
- DIN rail mounting integrated into the enclosure for fast and reliable installation

RCL-PFC




Model	RCL-PFC-107	RCL-PFC-108	RCL-PFC-207	RCL-PFC-208
Points	12-Point Controller	12-Point Controller	14-Point Controller	14-Point Controller
Configurable inputs	6	6	6	6
Electric Heater outputs	1	1	1	1
Analog output 0-10 V			2	2
Fan outputs	3	3	3	3
PWM Valve outputs 230 VAC	2		2	
PWM Valve outputs 24 V		2		2
24 VAC Generation 7 VA				■
Expandable with lighting & sunblinds add-on modules	■	■	■	■

Recommended Applications

Model	RCL-PFC-107	RCL-PFC-108	RCL-PFC-207	RCL-PFC-208
FCU[1]: 2/4 pipes - 3-speed fan - On/Off / thermal valves 230VAC	■		■	
FCU: 2/4 pipes - 3-speed fan - On/Off / thermal valves 24VAC		■		■
FCU: 2/4 pipes – 3-speed/variable speed fan - On/off / thermal valves 230VAC			■	
FCU: 2/4 pipes - 3-speed/variable speed fan - On/off / thermal valves 24VAC				■
FCU: 2/4 pipes - Variable / 3-speed fan - Analog actuator			■	■
FCU: 2 pipes - Variable / 3-speed fan - Floating actuator			■	■
Chilled Beam: On/Off / thermal valves	■			
Chilled Beam: 2 pipes - Floating actuator 230 VAC	■		■	
Chilled Beam: 2 pipes - Floating actuator 24 VAC		■		■

1. Fan Coil Unit

Accessories - RIR Series

Line of in-ceiling receivers series for infrared remote controls. Models available in white, with or without light sensor, or translucent.

Inputs Configuration Table

Assignable Input Functions	DI1	DI2	SI3	DI4	AI5	DI6
Window	■	■		■		■
Presence	■	■		■		■
Dewpoint	■	■		■		■
Changeover	■	■		■		■
Auxiliary contact	■	■		■		■
Flow switch	■	■		■		■
Alarm	■	■		■		■
Analog input					■	
Counter 1	■	■				■
Counter 2	■	■				■
Counter 3	■	■				■
Room temperature - 10K Type Z			■			
Room temperature - 10K Type II			■			
Return Room temperature - 10K Type Z			■			
Return Room temperature - 10K Type II			■			
Room temperature with occupancy reinitialization push button and LED indicator - 10K Type II			■			
Room temperature with occupied/unoccupied push button and LED indicator - 10K Type II			■			
Discharge air temperature - 10K Type Z	■		■			
Discharge air temperature - 10K Type II	■		■			
Setpoint offset - 0-5V					■	
Setpoint offset - 10K rotary potentiometer		■				
Fan speed selector - 0-5V	■					
Fan speed selector - 10K rotary potentiometer	■					

Supported Platforms

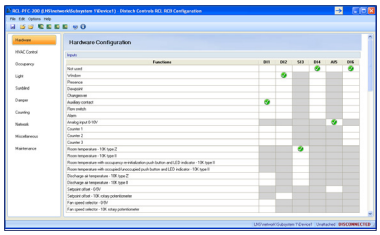
EC-Net^{AX}

EC-Net^{AX} is a web-enabled multi-protocol integration solution powered by the Niagara^{AX} Framework, establishing a fully Internet-enabled, distributed architecture for real-time access, automation and control of devices. EC-Net^{AX}'s open framework creates a common development and management environment for integration of LonWorks®, BACnet® and other protocols. Regardless of manufacturer and protocol, the EC-Net^{AX} system provides a unified modeling of diverse systems and data, providing one common platform for development, management and enterprise applications.

LonWorks Network Services (LNS)

LNS® is a client-server platform that allows multiple users, running different LNS-compatible applications, to access a common source for directory, installation, management, monitoring and control services for the network system being managed. Distech Controls' Lonwatcher is an example of a LNS-based network management tool that can use Plug-Ins to configure and monitor controllers and devices in the control system.

EC-Net^{AX} Wizards and LNS Plug-Ins

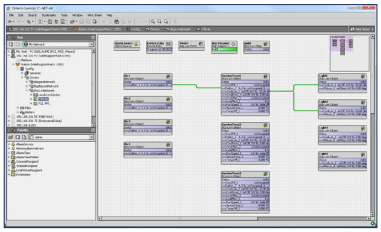


Designed for use respectively with EC-Net^{AX} (powered by the Niagara^{AX} Framework) or LNS-based softwares such as Distech Controls' Lonwatcher 3, the EC-Net^{AX} Wizards and LNS plug-in can be used to easily configure a device's parameters including inputs, outputs, fan and valve settings, heating and cooling setpoints, amongst others. a well as all the connected add-on modules' parameters

- User-friendly interface to easily and efficiently configure the controller's parameters
- One wizard only for the controller and its associated add-on modules
- Powerful import/export functionalities to duplicate a controller's settings for reuse
- Download configuration to multiple devices for large BMS integration

Configuration Softwares

EC-Net^{AX}

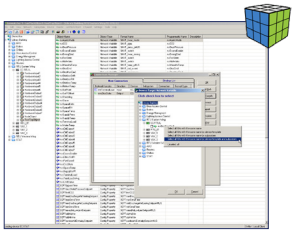


EC-Net^{AX} is a suite of Niagara^{AX}-based products designed to integrate diverse smart devices into a unified, Internet-enabled, web-based system. EC-Net^{AX} solutions integrate LONWORKS®, BACnet®, oBIX, Internet and web services protocols in a software platform that can be used in embedded controllers or server applications.

EC-Net^{AX} includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

- Connects to almost any embedded device, regardless of manufacturer or communication protocol, as a result the common environment created by Niagara^{AX}'s open Java-based Framework.
- Includes a comprehensive, graphical toolset that enables users to build rich applications in a drag-and-drop environment. By wiring components together, developers build control strategies, alarming and scheduling applications as well as browser-based displays and reports.
- Reduces development time by merging automation, IT and Internet technologies in a single solution. With an EC-BOS^{AX}, advanced web-services applications, such as TCP/IP, HTTP, XML, SOAP, and oBIX, can be implemented so that you can read data, send commands, and respond to alarms in real-time from anywhere using any standard web browser.
- Integrates geographically dispersed, multi-vendor devices into an interoperable application to save time and money.

LonWatcher 3

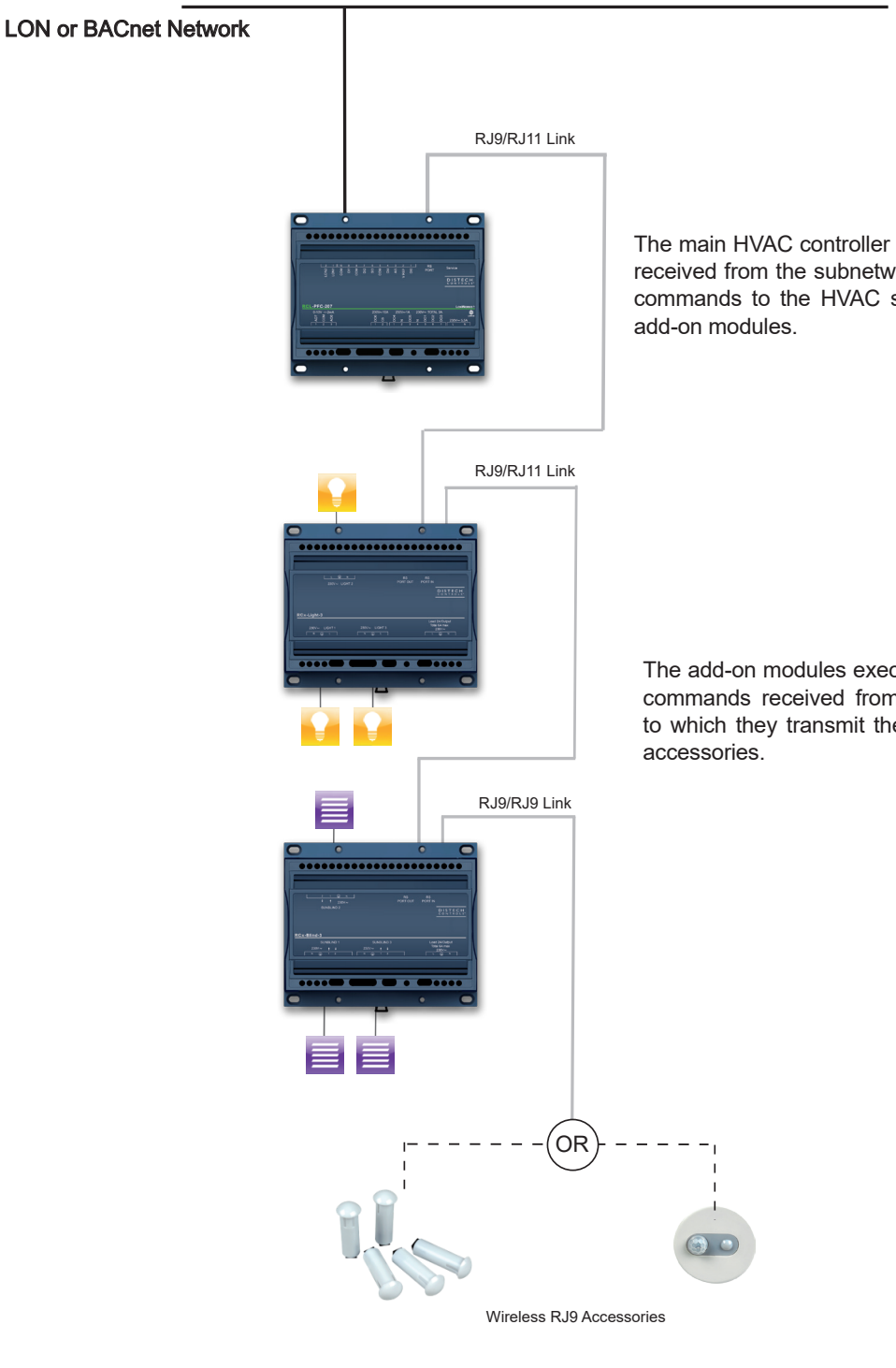


The Lonwatcher 3 network management tool is an innovative software for fast set-up and cost efficient implementation of the Distech Controls' LonWorks products, as well as other multivendor open and interoperable LonWorks networks, and their interaction. This intuitive yet sophisticated tool provides network integrators with advanced features and all the resources necessary to install, operate and maintain LonWorks networks. Based on LNS TURBO Edition network operating system, Lonwatcher 3 is a performance-driven, highspeed application, allowing a fast response time from the application and increasing user productivity.

- Build, commission and maintain multi-vendor, open and interoperable LonWorks networks.
- Manage multiple LonWorks networks simultaneously.
- Batch operations to copy/paste multiple networks, subsystems and devices reducing time for commissioning, replacing and loading devices.
- Compatible with other LNS® databases created with any LNS network management tool.
- Supports LNS standard plug-in applications, allowing for easy integration of Distech Controls devices as well as other manufacturers' devices.
- Create device status reports to get information such as devices in override, in alarm, etc.
- Fully supports i.LON® Internet Servers.
- Create dynamic network variables.
- User Manager, to prevent unauthorized system access, and to manage user rights.
- Support of any LNS or IP network interfaces.

RCL-PFC Subnetwork Overview

The PFC Solution combines a main HVAC Controller with add-on modules dedicated to lighting and sunblinds management to form a modular solution within a single point on the network.



The main HVAC controller synthesizes the information received from the subnetwork to send the appropriate commands to the HVAC system and to the different add-on modules.

The add-on modules execute lighting and/or sunblinds commands received from the main HVAC controller, to which they transmit the information emitted by the accessories.

The accessories send the needed information on the subnetwork (temperature, luminosity, occupancy, lighting commands, sunblinds commands, ...) and provide an interface to the end user.

Complementary Products

Lighting and Sunblinds Add-On Modules

Line of lighting and sunblind add-on modules for PFC Series controllers: On/Off lights, dimmming lights, 230 VAC sunblinds, 24 VDC sunblinds.

EC-Remote Remote Controls Series

Line of infrared remote controls for the control of occupancy, lighting, sunblind, temperature and fan speed. Models available with temperature sensor and wall-mounted stand.

Room Modules

Allure EC-Sensor

Line of discrete temperature sensors. Models are available with the following options: communication jack, occupancy override button, setpoint adjustment, and fan speed selection.

Allure Wireless Battery-less ECW-Sensor Series

Line of wireless, battery-less room temperature sensors. Models are available with the following options: occupancy override button, setpoint adjustment, and fan speed selection.
These sensors are available in EnOcean 868.3MHz. The controller must be equipped with a Wireless Receiver.

RS-ANA Series

Analog room temperature sensors with or without setpoint adjustment.

RS-DL Series

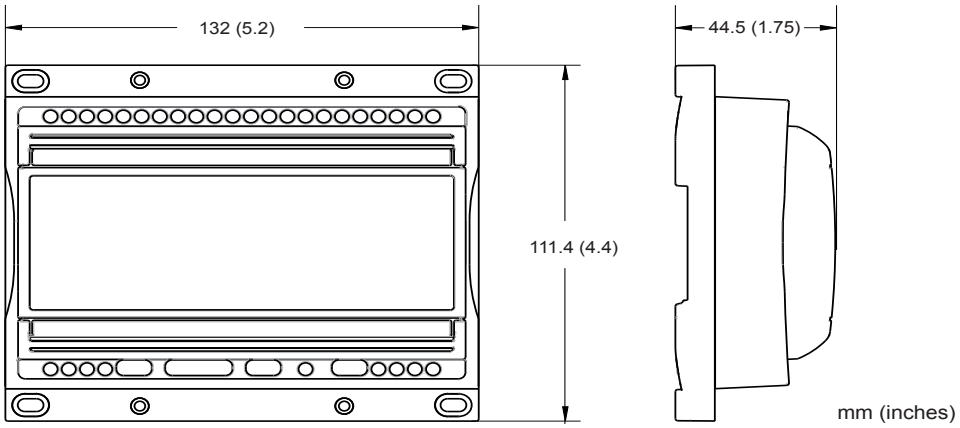
Line of digital and LCD room temperature sensors. Models available with setpoint adjustment, occupancy override button, fan speed selection, and LCD screen for HVAC, lighting and sunblinds control.

In-Ceiling Multi-Sensors

MS2 Series

Line of in-ceiling infrared multi-sensors. Models are available with presence detection, light sensor, and temperature sensor.

Product Dimensions



Product Specifications

Power

Voltage	230 VAC ; 50/60 Hz ; +10%/-15%
Protection	Self-protected Transformer 10 A External Circuit Breaker
Power Consumption	30 mA + all external loads
RCL-PFC-107/207:	5 A maximum
RCL-PFC-108/208:	3.3 A maximum
⧈	Double insulation devices

Interoperability

Communication	LonTalk Protocol
Channel	TP/FT-10; 78 Kbps
LonMark Interoperability Guidelines	Version 3.4
Device Class	SCC - Fan Coil
LonMark Functional Profile	
- Output Objects	SCC Fan Coil #8501
- Node Object	Node Object #0000
- Lamp Object	Lamp Actuator #3040
- Sunblind Object	Sunblind Actuator #6110

Hardware

Processor	AVR32 MCU, 32 bit ; 60 MHz
Memory	256 kB Non-volatile Flash 32 kB RAM

Environmental

Operating Temperature	+5°C to 45°C
Storage Temperature	-20°C to +70°C
Relative Humidity	+20% to +90% Non-condensing
Altitude	< 2000 m

Enclosure

Material	FR/ABS
Color	Blue casing & grey connectors
Dimensions (with screws)	132 x 111,4 x 44.5 mm
Shipping weight	
RCL-PFC-107:	470 g (1.03lb)
RCL-PFC-108:	630 g (1.38lb)
RCL-PFC-207:	470 g (1.03lb)
RCL-PFC-208:	630 g (1.38lb)
Installation	Direct din-rail mounting or wall-mounting

On-Board Power Supply (RCL-PFC-108 & RCL-PFC-208 only)

Use	Used to power both 24 V Triac outputs and 24 VAC outputs
Voltage	24 VAC; -15%/+35% ; 50 Hz
Current	- 300 mA max. on a resistive load (7 VA @ 24 VAC) - Peak current 1 A max.

Inputs

Resistive	10 kΩ Type 2, Type Z NTC (max cable length 3 m)
	Accuracy: ± 0.2°C @ 20°C (controller only)
Analog	RCL-10x : 0 to 5VDC (60kΩ input impedance)
	RCL-20x : 0 to 10VDC (60kΩ input impedance)
Digital	Dry Contact - closed contact treshold < 1 V - open contact treshold > 3 V - impedance < 660 Ω - max cable length 100m (30ft)

Outputs

Analog (AO7 & AO8)	0-10 VDC
	2 mA max
Digital Relay Contacts	Typically Fan Speeds
(DO1, DO2 & DO3)	230 VAC
	3 A max (total)
	All share the same common
Digital Relay Contact	Typically Heater
(DO6-C6)	230 VAC
	10 A - 2 kW
	Cycle time adjustable from 100 to 250 s
	Dedicated Common
Digital (DO4 & DO5)	
RCL-PFC-107/207	230 VAC Triac, digital (On/Off), PWM or floating
	- 1 A continuous for each output
	- 3 A starting current for each output
	- PWM control adjustable from 20 to 250 s
	- Floating control: requires two outputs
	- Adjustable drive time period
	1 common per pair of ouputs
RCL-PFC-108/208	24 V Triac, digital (on/off), PWM, or floating; software configurable
	See on-board power supply for voltage and current specifications
	1 common per pair of outputs
	- PWM control:
	- Adjustable period from 20 s to 250 s
	- Floating control:
	- Requires 2 consecutive outputs
	- Adjustable drive time period
24 VAC Output	See on-board power supply

Room Devices

Supported Room Devices	MS2 Series RIR Series RS Series WMS-PB-08DI
Number of devices per controller	1 + WMS-PB-08DI
Cable	RJ9/RJ9 Cable, 50 m max.

Extension Modules (RCx Series)

Communication	RJ9/RJ11
Number of extension modules per controller	Up to 4 Lightings + 4 Sunblinds controlled in daisy-chain configuration

Electromagnetic Compatibility

CE - Emission	EN 61000-6-1: Generic standard for residential, commercial and light-industrial environments EN 61000-6-2: Generic standard for industrial environments
CE - Immunity	EN 61000-6-3: Generic standard for residential, commercial and light-industrial environments EN 61000-6-4: Generic standard for industrial environments

Electrical Safety

General requirements CE	EN 60730: Specification for automatic electrical controls for household and similar use.

Agency Approvals

Material	UL94-5VA

Communication Protocols and Standards

LONMARK

RCL-PFC-207 Certified Performances

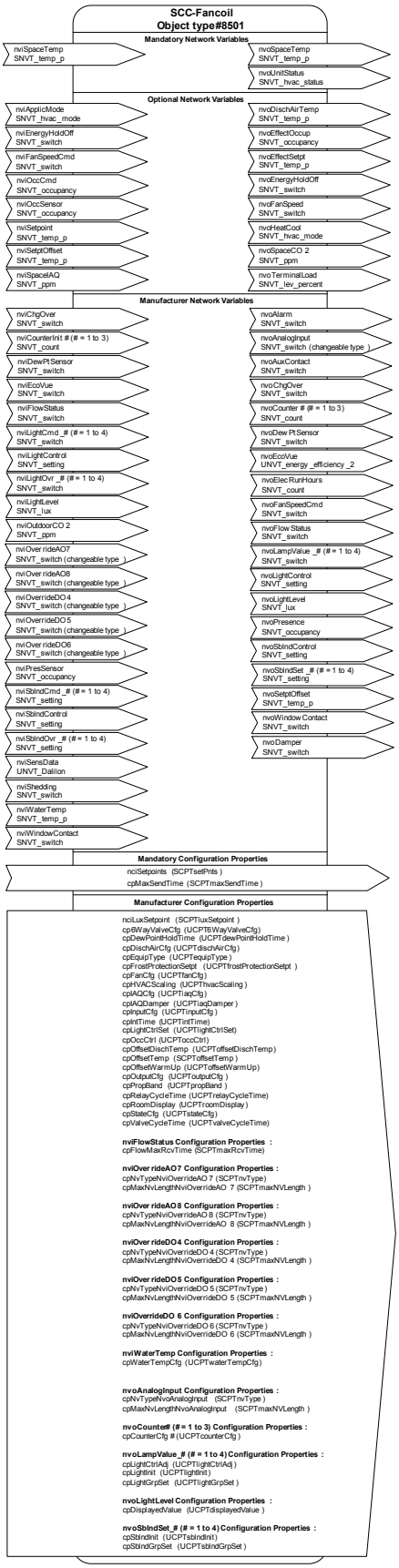
eu.bac license number	212213
Cooling Control Accuracy (CA)	0.1°C (4 pipes) 0.2 °C (2 pipes+electric heater)
Heating Control Accuracy (CA)	0.2°C (4 pipes and 2 pipes+electric heater)

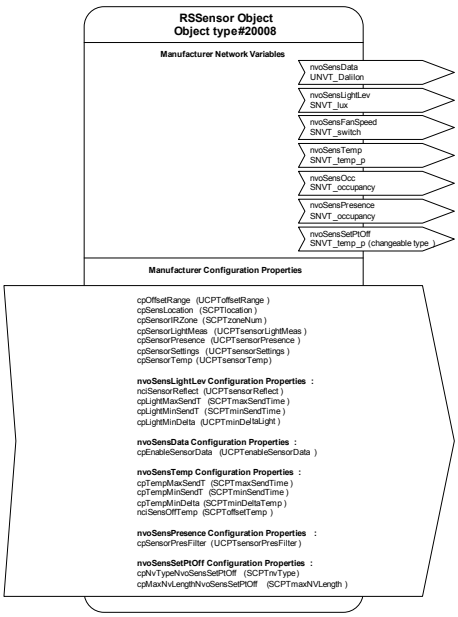
RCL-PFC-208 Certified Performances

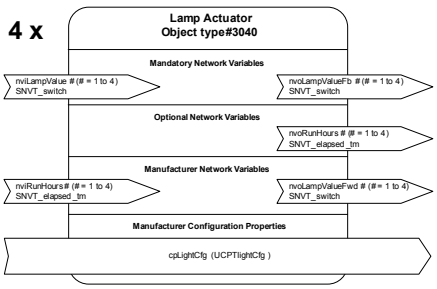
eu.bac license number	213271
Cooling Control Accuracy (CA)	0.2 °C (2 pipes+electric heater)
Heating Control Accuracy (CA)	0.2 °C (2 pipes+electric heater)

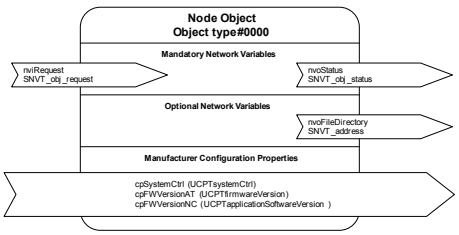
eu.bac Cert

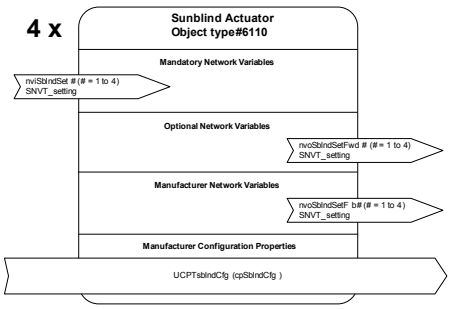
1. All materials and manufacturing processes comply with the RoHS directive RoHS and are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive .


SCC-Fancoil
Object type#8501
Mandatory Network Variables
nviSpaceTemp
SNVT_temp_p
nvoSpaceTemp
SNVT_temp_p
nvoUnitStatus
SNVT_hvac_status
Optional Network Variables
nviApplicMode
SNVT_hvac_mode
nviEnergyHoldOff
SNVT_switch
nviFanSpeedCmd
SNVT_switch
nviOccCmd
SNVT_occupancy
nviOccSensor
SNVT_occupancy
nviSetpoint
SNVT_temp_p
nviSetptOffset
SNVT_temp_p
nviSpaceIAQ
SNVT_ppm
nvoDischAirTemp
SNVT_temp_p
nvoEffectOccup
SNVT_occupancy
nvoEffectSetpt
SNVT_temp_p
nvoEnergyHoldOff
SNVT_switch
nvoFanSpeed
SNVT_switch
nvoHeatCool
SNVT_hvac_mode
nvoSpaceCO 2
SNVT_ppm
nvoTerminalLoad
SNVT_lev_percent
Manufacturer Network Variables
nviChgOver
SNVT_switch
nviCounterInit # (# = 1 to 3)
SNVT_count
nviDewPtSensor
SNVT_switch
nviEcoVue
SNVT_switch
nviFlowStatus
SNVT_switch
nviLightCmd _# (# = 1 to 4)
SNVT_switch
nviLightControl
SNVT_setting
nviLightOvr _# (# = 1 to 4)
SNVT_switch
nviLightLevel
SNVT_lux
nviOutdoorCO 2
SNVT_ppm
nviOver rideAO7
SNVT_switch (changeable type)
nviOver rideAO8
SNVT_switch (changeable type)
nviOverrideDO 4
SNVT_switch (changeable type)
nviOverrideDO 5
SNVT_switch (changeable type)
nviOver rideDO6
SNVT_switch (changeable type)
nviPresSensor
SNVT_occupancy
nviSblndCmd _# (# = 1 to 4)
SNVT_setting
nviSblndControl
SNVT_setting
nviSblndOvr _# (# = 1 to 4)
SNVT_setting
nviSensData
UNVT_DaliIon
nviShedding
SNVT_switch
nviWaterTemp
SNVT_temp_p
nviWindowContact
SNVT_switch
nvoAlarm
SNVT_switch
nvoAnalogInput
SNVT_switch (changeable type)
nvoAuxContact
SNVT_switch
nvoChgOver
SNVT_switch
nvoCounter # (# = 1 to 3)
SNVT_count
nvoDew PtSensor
SNVT_switch
nvoEcoVue
UNVT_energy_efficiency _2
nvoElecRunHours
SNVT_count
nvoFanSpeedCmd
SNVT_switch
nvoFlow Status
SNVT_switch
nvoLampValue _# (# = 1 to 4)
SNVT_switch
nvoLightControl
SNVT_setting
nvoLightLevel
SNVT_lux
nvoPresence
SNVT_occupancy
nvoSblndControl
SNVT_setting
nvoSblndSet _# (# = 1 to 4)
SNVT_setting
nvoSetptOffset
SNVT_temp_p
nvoWindow Contact
SNVT_switch
nvoDamper
SNVT_switch
Mandatory Configuration Properties
nciSetpoints (SCPTsetPnts)
cpMaxSendTime (SCPTmaxSendTime)
Manufacturer Configuration Properties
nciLuxSetpoint (SCPTluxSetpoint)
cp6WayValveCfg (UCPT6WayValveCfg)
cpDewPointHoldTime (UCPTdewPointHoldTime)
cpDischAirCfg (UCPTdischAirCfg)
cpEquipType (UCPTequipType)
cpFrostProtectionSetpt (UCPTfrostProtectionSetpt)
cpFanCfg (UCPTfanCfg)
cpHVACScaling (UCPThvacScaling)
cpIAQCfg (UCPTiaqCfg)
cpIAQDamper (UCPTiaqDamper)
cpInputCfg (UCPTinputCfg)
cpIntTime (UCPTintTime)
cpLightCtrlSet (UCPTlightCtrlSet)
cpOccCtrl (UCPToccCtrl)
cpOffsetDischTemp (UCPToffsetDischTemp)
cpOffsetTemp (SCPToffsetTemp)
cpOffsetWarmUp (UCPTOffsetWarmUp)
cpOutputCfg (UCPToutputCfg)
cpPropBand (UCPTpropBand)
cpRelayCycleTime (UCPTrelayCycleTime)
cpRoomDisplay (UCPTroomDisplay)
cpStateCfg (UCPTstateCfg)
cpValveCycleTime (UCPTvalveCycleTime)
nviFlowStatus Configuration Properties :
cpFlowMaxRcvTime (SCPTmaxRcvTime)
nviOver rideAO7 Configuration Properties :
cpNvTypeNviOverrideAO 7 (SCPTnvType)
cpMaxNvLengthNviOverrideAO 7 (SCPTmaxNVLength)
nviOver rideAO8 Configuration Properties :
cpNvTypeNviOverrideAO 8 (SCPTnvType)
cpMaxNvLengthNviOverrideAO 8 (SCPTmaxNVLength)
nviOver rideDO4 Configuration Properties :
cpNvTypeNviOverrideDO 4 (SCPTnvType)
cpMaxNvLengthNviOverrideDO 4 (SCPTmaxNVLength)
nviOver rideDO5 Configuration Properties :
cpNvTypeNviOverrideDO 5 (SCPTnvType)
cpMaxNvLengthNviOverrideDO 5 (SCPTmaxNVLength)
nviOverrideDO 6 Configuration Properties :
cpNvTypeNviOverrideDO 6 (SCPTnvType)
cpMaxNvLengthNviOverrideDO 6 (SCPTmaxNVLength)
nviWaterTemp Configuration Properties :
cpWaterTempCfg (UCPTwaterTempCfg)
nvoAnalogInput Configuration Properties :
cpNvTypeNvoAnalogInput (SCPTnvType)
cpMaxNvLengthNvoAnalogInput (SCPTmaxNVLength)
nvoCounter# (# = 1 to 3) Configuration Properties :
cpCounterCfg # (UCPTcounterCfg)
nvoLampValue_# (# = 1 to 4) Configuration Properties :
cpLightCtrlAdj (UCPTlightCtrlAdj)
cpLightInit (UCPTlightInit)
cpLightGrpSet (UCPTlightGrpSet)
nvoLightLevel Configuration Properties :
cpDisplayedValue (UCPTdisplayedValue)
nvoSblndSet_# (# = 1 to 4) Configuration Properties :
cpSblndInit (UCPTsblndInit)
cpSblndGrpSet (UCPTsblndGrpSet)


RSSensor Object
Object type#20008
Manufacturer Network Variables
nvoSensData
UNVT_DaliIon
nvoSensLightLev
SNVT_lux
nvoSensFanSpeed
SNVT_switch
nvoSensTemp
SNVT_temp_p
nvoSensOcc
SNVT_occupancy
nvoSensPresence
SNVT_occupancy
nvoSensSetPtOff
SNVT_temp_p (changeable type)
Manufacturer Configuration Properties
cpOffsetRange (UCPToffsetRange)
cpSensLocation (SCPTlocation)
cpSensorIRZone (SCPTzoneNum)
cpSensorLightMeas (UCPTsensorLightMeas)
cpSensorPresence (UCPTsensorPresence)
cpSensorSettings (UCPTsensorSettings)
cpSensorTemp (UCPTsensorTemp)
nvoSensLightLev Configuration Properties :
nciSensorReflect (UCPTsensorReflect)
cpLightMaxSendT (SCPTmaxSendTime)
cpLightMinSendT (SCPTminSendTime)
cpLightMinDelta (UCPTminDeltaLight)
nvoSensData Configuration Properties :
cpEnableSensorData (UCPTenableSensorData)
nvoSensTemp Configuration Properties :
cpTempMaxSendT (SCPTmaxSendTime)
cpTempMinSendT (SCPTminSendTime)
cpTempMinDelta (SCPTminDeltaTemp)
nciSensOffTemp (SCPToffsetTemp)
nvoSensPresence Configuration Properties :
cpSensorPresFilter (UCPTsensorPresFilter)
nvoSensSetPtOff Configuration Properties :
cpNvTypeNvoSensSetPtOff (SCPTnvType)
cpMaxNvLengthNvoSensSetPtOff (SCPTmaxNVLength)


4 x
Lamp Actuator
Object type#3040
Mandatory Network Variables
nviLampValue # (# = 1 to 4)
SNVT_switch
nvoLampValueFb # (# = 1 to 4)
SNVT_switch
Optional Network Variables
nvoRunHours # (# = 1 to 4)
SNVT_elapsed_tm
Manufacturer Network Variables
nviRunHours # (# = 1 to 4)
SNVT_elapsed_tm
nvoLampValueFwd # (# = 1 to 4)
SNVT_switch
Manufacturer Configuration Properties
cpLightCfg (UCPTlightCfg)


Node Object
Object type#0000
Mandatory Network Variables
nviRequest
SNVT_obj_request
nvoStatus
SNVT_obj_status
Optional Network Variables
nvoFileDirectory
SNVT_address
Manufacturer Configuration Properties
cpSystemCtrl (UCPTsystemCtrl)
cpFWVersionAT (UCPTfirmwareVersion)
cpFWVersionNC (UCPTapplicationSoftwareVersion)


4 x
Sunblind Actuator
Object type#6110
Mandatory Network Variables
nviSblndSet #(# = 1 to 4)
SNVT_setting
Optional Network Variables
nvoSblndSetFwd # (# = 1 to 4)
SNVT_setting
Manufacturer Network Variables
nvoSblndSetF b# (# = 1 to 4)
SNVT_setting
Manufacturer Configuration Properties
UCPTsblndCfg (cpSblndCfg)

Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards. Distech Controls is an ISO 9001 registered company.