

## 2-Room Space Comfort Controller for LonWorks®

Lonbox® PSC4024 is a module for room comfort control in LonWorks® installations.

PSC4024 heat regulator node is able to cover 2 rooms but is also able to control heat and ventilation or cooling in a 1 room regulation application.

PSC4024 is made according to LonMark international standard profile 8500-20 Space Comfort Controller. Regulation of heat and cooling is possible using set-point and temperature sensors. From the LonWorks network signals from e.g. presence detectors, clocks and schedulers can be used. PSC4024 contains automatic outdoor temperature compensation if an outdoor temperature is measured and made available for the algorithm.

The analogue inputs on the module are designed with a flexible and configurable input stage. This makes the analogue inputs suitable for active 0...10V signals and measuring of resistor values from simple potentiometers and temperature sensors (PT1000/NTC).

The outputs are able to directly control actuator valves or via external solid-state relay.

Modulet er i kasse til montering på standard M36 DIN skinne (EN50022).

The module is mountable on standard TS35 DIN rail (EN50022).

For easy access during configuration and service an extra network connection is located in the front of the module (3,5mm minijack).

Standard PC connection cable is obtainable from third party (Echelon).



A LED is located on the front of PSC4024 for power supply and service indication.

Technical data	PSC4024
LonWorks® Media	Twisted Pair TP/FT-10
Transceiver	FT-X1
Neuron-Chip	FT3120E4, 10MHz
Supply	12 – 30Vdc or 10 – 24Vac
Consumption	Typical 15mA@24Vdc
Power supply indicator	Green LED in the front
Service indicator	Yellow LED in the front
Service switch	Activate Neuron service message
Input	4 pcs. analogue
- Voltage	Max. 10 Volt DC
- Impedance	10 Kohm
- Resolution	10 bit
Output	2 pcs.
- Type	Digital low-side switch
- Voltage	Max. 60 volt DC
- Current	Max. 1 Amp
Protection class	IP20
Enclosure size	4 module Lonbox® DIN enclosure 70mm
EMC immunity	EN50082-2
EMC emission	EN50081-1
Operating temp.	-10 to +55°C
Storage temp.	-20 to +70°C