Temperature Input Module for LonWorks®

Lonbox® PTC4024 is a module for measuring temperature values in connection with LonWorks® installations.

The analogue inputs are all designed especially for connection of PT1000 sensors.

The software application within PTC2024 is made according to the international LonMark standards. Besides the sensor function the module also contains functions to process temperatures. Among other treatment of limit value as high or low and various mathematical functions such as sum, difference and mean value.

The outputs are all controllable from the network but also possible to control by the build in functions for example when exceeding limit values.

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 PTC4024 for power supply and service indication.

Technical data	PTC4024
Lonworks® Media	Twisted Pair TP/FT-10
Transceiver	FT-X1
Neuron-Chip	FT3120E4, 10MHz
Supply	12 – 30Vdc, 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
- Temperature range	-15ºC to +65ºC PT1000 element
- 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