# Lonbox® Series

# 4-Channel Light Controller for LonWorks®

Lonbox® PLS4044 is used in LonWorks® based control networks for building automation.

PLS4044 is a 4-channel light switch module containing 4 sets of identical in- and output channels. All 4 output channels have individual configuration of automatic functions, e.g. hold time and auto on/off control.

PLS4044 is applicable for controlling light and outlets in 4 independent outputs.

PLS4044 have 4 digital inputs for connecting to standard low-voltage pushbuttons for manual control of light or connection of presence detectors for automatic control of light. A 12Vdc power supply to supply the presence detectors is available on the module.

The relay outputs controlling light and outlets are of NO type.

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).

PLS4044 is on the front equipped with LED's for power supply and Neuron service indication. The service switch for sending 'service pin' messages onto the network is also located on the front.



| Technical data | PLS4044 |
|---|---|
| LonWorks® Media | Twisted Pair TP/FT-10 |
| Transceiver | FT-X1 |
| Neuron-Chip | FT3120E4, 10MHz |
| Supply | 12 – 30Vdc<br>10 – 24Vac |
| Consumption<br>ex. 12Vdc output | 25 - 160 mA @ 24Vdc<br>30 - 175 mA @ 24Vac |
| 12Vdc output | 12Vdc ±10%<br>max. 200mA |
| Control indicator | Green LED for supply |
| Service indicator | Neuron state function, yellow LED |
| Service switch | Activate Neuron service message |
| Number of Input | 4 digital |
| Number of output | 4 relays |
| - type | NO |
| - max current | 10A@230Vac |
| Protection class | IP20 |
| Enclosure size | 6 module lonbox® DIN box, 105mm |
| EMC immunity | EN50082-2 |
| EMC emission | EN50081-1 |
| Operating temp. | -10 to +55°C |
| Storage temp. | -20 to +70°C |