

2-Zone Comfort and Light Controller for LonWorks®

Lonbox® PZM4148 2-zone comfort and light controller are used in LonWorks® based systems. PZM4148 contains 2 complete control and regulation zone functions for intelligent building automation.



The following functions are implemented:

- 4 Light outputs, high inrush.
- 4 Light dimmers outputs, 0-10VDC.
- 2 Inputs for manual operating panels, 16 channels.
- 2 socket outlet outputs.
- 2 Heat outputs.
- 2 Cooling outputs.
- 2 Ventilation outputs.
- 2 Sunblind outputs.
- 2 Movement detector inputs.
- 2 Light sensor inputs.
- 2 Temperature inputs.
- Partition wall control.

PLS4088 are typically used for the following room type and is possible to combine freely between the different types:

- Class rooms
- Cellular office
- Large office
- Canteen's and general public areas
- Meeting rooms
- Auditoriums

PLS4088 is delivered in a box ready for mounting. The box comes standard with a membrane flange but is also available in a knock-out flange version for cable glands.

Advantages:

- 2 complete zones
- Ready to use and mount
- Build-in power supplies
- Large number of luminaries pr output
- Separate 230Vac operating supply
- Inputs for manual push-buttons

- Separate 3-phase light group supply
- Standard NTC and PT1000 sensors
- Extended LonWorks® functionality
- No limitations on variables
- Designed in accordance with LonMark®

Technical data	PZM4148
LonWorks® Media	Twisted Pair TP/FT-10
Transceiver	FT-X1
Neuron-Chip	FT3120E4@10MHz MIP
Main processor	Atmel AT91@16MHz.
Supply	230Vac@50Hz ±10%
Consumption	Typical 10, Max. 55W
Power supply out	200mA@24Vdc 150mA@12Vdc 700mA@24Vac pr. output 1.5A@24Vac max. Total
Light output, high inrus	250Vac 16A and 950A@200uS 230Vac
0-10Vdc dimming	100Ω and 20mA
Light output	250Vac 16A
Heat output	0-10Vdc and 24Vac
Cool output	0-10Vdc and 24Vac
Temperature input	NTC 1K8, 5K5, 10K-15K, PT1000
Movement detector and light sensor input	Max 12V, 39K8 ohm
EMC immunity	EN 50082-2
EMC emission	EN 50081-1
Operating temp.	5 to +45°C
Enclosure size	280x280x130mm Fibox enclosure SP2828
Enclosure material	ABS/PC
Versions:	
PZM4148	230VAC
BMS enclosure:	
Single	Standard
Double	Extra room