

Model PZM2114

Zone module combining IBI installations with a Lonworks interface.

The Lonbox series PZM2114 is a zone controller for use where a complete IBI installation for a given area is wanted in one single unit.

The unit is supplied in a quality box with "knock-out" for PG screws.

The unit has all necessary terminals including terminals for looping 230 Vac and LonWorks interface.

On all sensor inputs and relevant CTS outputs there's terminals mounted that supplies the connected sensor or actuator.

For example there's 4 terminals for the PIR sensor:

- Terminal for 0V / GND
- Terminal for signal, either NPN open collector or relay signal from PIR
- Terminal for 12Vdc supply to PIR
- Terminal for 24Vdc supply to PIR

In this way there's a terminal for all cables lead to the unit.

Building installation

- 2 dimming light channels
- 2 on/off light channels
- 1 Hazardous outlet (or light)

Machine installation for sunblind

- 2 sunblinds or windows control output. Can be used with either 230Vac with op/down fase or 12/24Vdc motors with polarity shift (There's 3 relay per channel). The sunblinds outputs must be separately supplied.



Sensors

- Temperature sensor input
- Lux sensor input with 5Vdc, 12Vdc or 24Vdc supply option.
- PIR sensor input with 12Vdc or 24Vdc supply option.
- CO2 sensor input with 12Vdc or 24Vdc supply option.
- Extra analog and digital input e.g. for use with windows contact sensors

CTS installation

- Analog output 0..10V for VAV damper and 24Vdc supply.
- Analog output 0..10V for cooling valve and 24V supply.
- 24Vdc pulse modulated output for heating valve (up to 4 pieces)
- 24Vdc relay output for CAV damper

As the unit contains controls for different types of installations, the first PZM2114 installation has been judged by the Danish electricity board. They have approved the unit to be installed as a common controller. Naturally this approval only covers the actual installation. Nevertheless it gives a good indication of how they see this kind of common control. Furthermore we have made an official CE test journal at Delta, due to the legal focus on this type of installation.



Lonbox® Series

Technical spec.	
Transceiver	FTT-10A
Neuron-Chip	3150, 10MHz
Control LED	Power present, green
Service LED	Neuron state function, yellow
Service switch	Activate Neuron service pin mess.
EMC immunity	EN50082-2
EMC emission	EN55011:1998
Operating temp.	-10 to 55°C
Storage temp.	-20 to 70°C
