

## Lonbox® PZM5614

### Building Automation Controller for two office zones

#### INTELLIGENT BUILDING CONTROL

**Next generation intelligent building automation controller for energy efficient buildings. The pre-programmed controller has build-in functionality for two offices zones covering functionality for HVAC, light control, sunblind's and window motors.**

One single device that integrates intelligent automation for a highly energy efficient building into one box. Ready to install and can be delivered directly to the construction site.

Inputs for all sensor normally required and also including power supply for the sensors.

Great flexibility with HVAC output choice allowing for use of thermo actuators, 0-10V actuators or 3-point floating actuators.

Reduced energy by using advance digital switch mode power supply for valves and other HVAC equipment compared to traditional 24Vac transformers.

Input and output connections:

- Temperature, setpoint, CO<sub>2</sub> and window sensor inputs
- Occupancy and light sensor inputs
- Heat valve output signal for digital or analog controlled valve
- Ventilation output for digital, analog or 3-point motor
- Cool valve output signal for digital or analog control
- DALI controller for lights
- I/O-bus for motor I/O and other expansion

Delivered in plastic enclosure ready to mount with integrated cable fastening for low voltage wires and WINSTA connectors for 230Vac supply and DALI connection.

Program Features

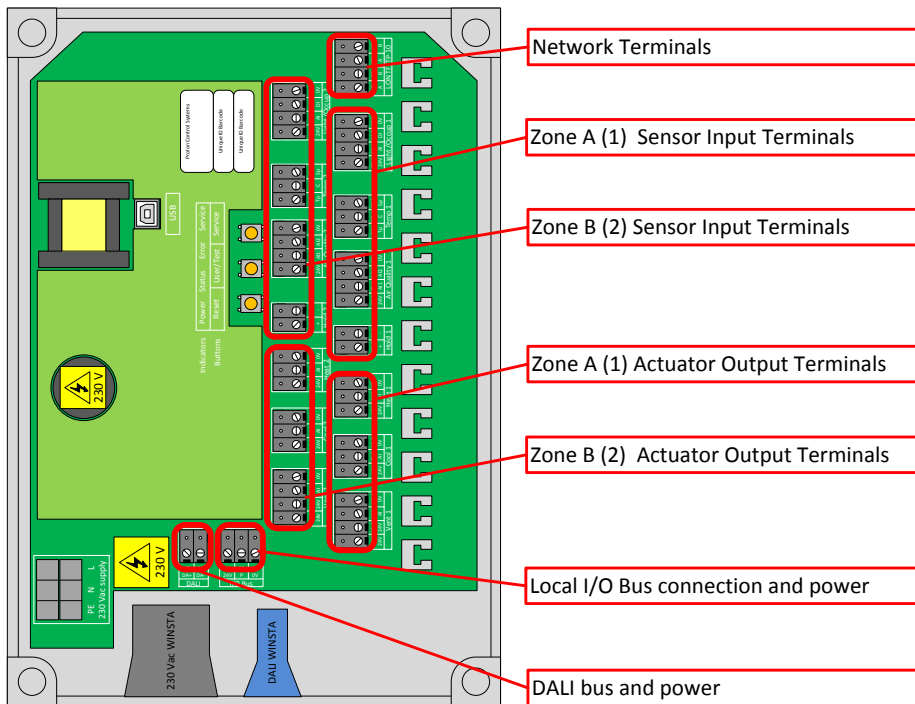
- Occupancy based light control
- Constant light controller with offset
- Scenarios, decoration light and advanced override types
- Partition wall control for meeting rooms
- Scheduler and occupancy based space comfort control
- Air quality control regulator in space comfort controller
- Advanced sunblind and window control functions
- Flexible analog and digital functional block



## Technical Data

Group	Name	Detail
General	Description	2-zone office building automation
	Dimensions	255 x 180 x 63 mm
	Enclosure material	ABS
	EMC Immunity	61000-6-3
	EMC Emission	61000-6-2
	RoHS, WEEE	Yes
Power	Supply input	230 Volt AC @ 50 HZ ±10%
	Controller power	< 3 Watt
	Maximum supply output	24 Volt DC maximum 40 Watt on for sensors, actuators and I/O-bus devices
Communications	LonWorks	TP/FT-10 78 kit twisted pair, bus or free topology
	USB	High speed
	DALI	Build-in DALI power supply 18 V DC min. 154 mA (dimensioned for 64 * 2mA + 20%) Designed as single master application controller according to IEC 62386
	I/O-bus	Pyxos High Power 385 Kbit/sec. Plug and play, maximum 32 devices 3-wire including power, no wiring topology restrictions
Inputs	Digital inputs	4
	Digital input voltage	3.3 Volt
	Digital Input impedance	10 k ohm
	Sensor supply voltage out	24 Volt DC
	Sensor supply effect	Maximum 0.12 A or 2.8 Watt pr. output
	Analog inputs	6
	Analog input voltage	0...10 Volt
	Analog input impedance	10 k ohm
	Temperature inputs	2
	Temperature sensors	TP1000, NTC 20 K ...
Outputs	Digital outputs	8
	Digital output voltage	24 Volt DC
	Digital output effect	Maximum 0.75 A or 18 Watt pr. output
	Analog outputs	6
	Analog output voltage	0...10 Volt
Ordering	Model name	Lonbox PZM5614
	GTIN / EAN code	5711536000482

## Connector Terminal Overview



## Connection Example for local I/O in one zone

