

Analog Input Module

4 analog inputs
2 transistor outputs
DIN rail mount

The Lonbox® Series PIO2024 is an I/O module for Lonworks® based control network.

The PIO2024 has 4 analogue inputs and 2 digital outputs.

The analogue inputs can be used as digital inputs by mounting 1 external resistor. This way the module can be used as a 2-zone light control system where the inputs are connected to PIR detectors and low-voltage switches. The light is then controlled by the outputs via externally mounted relays.

The PIO2024 can be used in a variety of other applications. For example, it can be used as an I/O module in an automatic burglar alarm system. Here the inputs can be used as 4 double balanced alarm groups.

The module is in a box for mounting on a standard M36 DIN rail (EN50022).

An additional mini jack (3,5 mm) network connection is placed in the front of the module, for easy access when making service on the network.

A standard cable for connecting a mobile computer to this service connection is available from Echelon.

PIO2024 is at the front supplied with LED's for indication of Power supply and for the Neuron service condition. In addition is a switch accessible for sending 'service pin' messages onto the network.

PIO2024 is supplied with a switch under the cover that can be used for detecting physical intervention into the module.



Technical spec.	PIO2024
Transceiver	FTT-10A
Neuron-Chip	3120E3, 5MHz
Supply voltages	9 – 24Vac 12 – 28Vdc
Power consumption	15mA @ 24Vdc
Control LED	Typically Supply present, green
Service LED	Neuron state function, yellow
Service switch	Activate Neuron service pin
Numbers of input	4
- Type	Analog
- Supply voltages	10 Vdc, 20mA
- Impedance	4 kΩ
- Resolution	10 bit
Numbers of output	2
Output 1	Open collector
- Max voltage	Supply voltage
- Max current	50mA
Output 2	Open emitter
- Max voltage	Supply voltage
- Max current	50mA
EMC immunity	EN50082-2
EMC emission	EN50081-1
Operating temp.	-10 to 55°C
Storage temp.	-20 to 70°C