

6x6 I/O Module

Description

The Elpas 6x6 I/O Module from Visonic Technologies is a general purpose I/O for use with such security and safety applications as: access control, wandering patient tracking, infant protection, duress alarms; wireless nurse call or asset management.

The Elpas I/O Module has six supervised inputs for monitoring alarm sensors (such as motion detectors and door contacts) and six relay outputs for actuating local devices (such as electric door locks, sirens or visual indicators). The I/O also has a two-position terminal block for powering 12Vdc external devices.

The IP version (P/N: 5-IOB00485-1) contains a RJ-45 connector for linking the device via Ethernet to a host RTLS application machine.

The BUS Version (P/N: 5-IOB00485) includes a RJ-11 connector for communication with either an Elpas Local Controller or an RF IP Reader in addition to fifteen other Elpas BUS devices (such as RF or IR Readers, Elpas Display Panels, LF Exciters plus other I/O Modules using Elpas RS-485 Junction Boxes.



Elpas 6X6 I/O Module

Product Features

- Small architecturally attractive, design
- Ethernet or RS-485 options
- Remote Ethernet configuration & supervision
- Wired/Wireless Ethernet/Wi-Fi compatibility
- Six analog inputs / Six digital relay outputs
- Device supervision including tamper
- CE, FCC, IC and ISO 9001 certified

Applications and Uses

- Asset management
- Personnel and visitor safety
- Infant abduction protection
- Wandering patient tracking
- Wireless nurse call
- Access control
- Senior living supervision & control
- Intrusion protection
- Intelligent Buildings

Elpas 6x6 I/O Module – Confidential Technical and Product Specifications

Specifications	
Ethernet – IP Version	10 Base –TX (auto-sensing) / UDP protocol
RS-485 BUS	230Kbit/sec
Green LED Indicator	Lights continuously when powered
Red LED Indicator	Corrupted Firmware: Lights continuously Unregistered in Software: Toggles on/off every second
Buzzer Indicator	Power-Up: Beeps once..... Device Malfunction: Beeps continuously
Power Requirements	12–28Vdc BUS Version: 125mA @ 24Vdc IP Version: 150mA @ 24Vdc
Output Power	12Vdc, 100mA (Max)
Input/Outputs	6 analog inputs 6 relay outputs (Rated 10A)
Input Supervision	4 Levels (Open, Closed, Line Short, Line Cut) using optional Elpas End-of-Line Terminators
Encoding	Factory programmed ID
General Specifications	
Construction	White polycarbonate plastic
Dimensions (H x W x D)	10.5 x 16.0 x 3.5 cm (4.0 x 6.0 x 0.5 inches)
Weight	165 grams (5.8 ounces)
Tamper Protection	Open 'State' spring-loaded switch button
Device Interfaces – IP Version	Ethernet: 1 female RJ-45 (8P8C) connector Supervised Inputs: 3 three-position removable terminal blocks Relay Outputs: 6 three-position removable terminal blocks Power Input/Output: 1 four-position terminal block
Device Interfaces – BUS Version	RS-485 Data Bus & Power: 1 female RJ-11 (6P6C) connector Supervised Inputs: 3 three-position removable terminal blocks Relay Outputs: 6 three-position removable terminal blocks Power Input/Output: 1 two-position terminal block
Operating Environment	Temperature: -10°C to 70°C (14°F to 159°F) Humidity: 20% to 80%, non-condensing
Remote Management	ELC Programmer Software (V2.0 or higher)....EIRIS 4.7 (or higher) Software
Compliance Standards	CE, FCC, IC pending.....ISO 9001 Certified
Warranty	1-year limited warranty

All specifications are subject to change without notice.

Ordering Information

Part Number	Description
5-IOB00485	I/O, BUS, 6/6
5-IOB00485-1	I/O, IP, 6/6

Compatible Accessories

Part Number	Description
5-IOX00001	End-of-Line Terminator for Elpas & AXS Inputs (5 units)
5-ERS02721	Network Drop Cable, 2.5Meters / 8.0 Feet
5-ERS02721-1	Network Drop Cable, 5.0 Meters/16.0 Feet
5-ERS02721-2	Network Drop Cable, 10.0 Meters/32.0 Feet
5-ERS02800	P60 Power Supply, 24Vdc/2.2A

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About Visonic Technologies

Visonic Technologies (VT) is a global leader in Active RFID/RTLS safety and security solutions for the changing healthcare industry. VT delivers out-of-the-box as well as custom-tailored risk mitigation tools that enhance patient and personnel safety; reduces asset shrinkage and labor costs; lessens negligence litigation and facilitates industry guideline compliance.