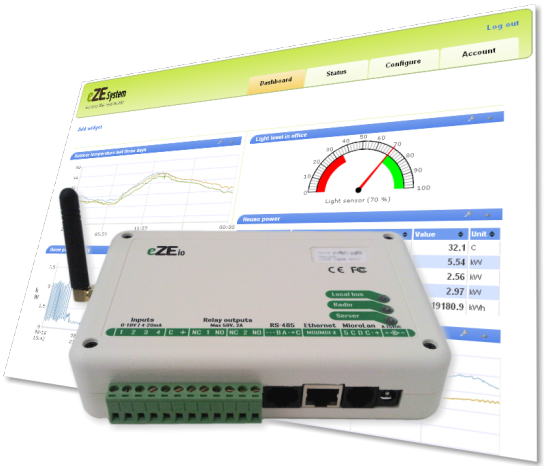
eze System

CONTROLLER SPECIFICATIONS

SECURE, EASY TO USE
REMOTE MONITORING
- AND CONTROL

The ezeio controller is a general purpose control system that is integrated with ezeControl.com, a cloud back-end management system. Manage one or 500 controllers from a single login - secure and easy.

The ezeio controller is flexible, low cost, easy to install, configure and use. It can be used to monitor/record for example energy use, temperature, pressure, flow, gases, activity, speed, vibration and anything else that there is a sensor for.
The ezeio controller also has control outputs that may be used for remote control of automation purposes. The internal logic allow multiple alarm thresholds on each input, with multiple actions on each alarm. The ezeio can send email, SMS, interface to other Internet services through an API or even call your phone and talk to you!
No special software, server or network configuration is required to use the ezeio. It activates as soon as power is applied and communicates with the cloud servers securely and in real time.



Incredibly easy to deploy.
No special software or network configuration.

1) Connect sensor(s), network and power
2) Log in to www.ezecontrol.com
3) Access your system in real time, configure, build dashboards, analyze logged data...
-- It is really that easy!

Dimensions:	6.0 x 3.9 x 1.5 in 153 x 100 x 38 mm Approx 0.5lb (220g)
Power supply:	8-25VDC, <1W avg 12VDC adapter included
Environment:	32-120F / 0-50C, non condensing
Inputs:	4 inputs on screw terminal configurable for voltage, switches or current loop 0-10V, 10mV resolution 0-30mA, 32uA resolution
Outputs:	2 relay outputs on screw terminal Form C (1 pole switching) Max 2A / 50V
Expandability:	Up to 40 inputs, 40 outputs.
Network:	Standard Ethernet, TP 10/100, RJ45 DHCP address, preconfigured to communicate with cloud servers. Tri-band GSM/GPRS modem (optional) 128 bit encryption, typical <5MByte/month

Modbus:	RS485 @ 19200bps, Modbus RTU master. Compatible with wattmeters, thermostats, relay modules, VFD's.
Sensor network:	MicroLAN, up to 20 sensors, RJ12 jack Max 150ft/50m network length
Data logging:	Individual log interval per input. 5s - 4h. Automatically transferred to servers for access & backup.
Input triggers:	Up to 4 alarms per input with alarm/restore thresholds and holdoff timers. Each alarm can activate up to four actions (sending messages, controlling outputs or other local functions)
Schedules:	Up to 20 schedules each with four intervals and weekday flags.
Timers:	Up to 20 timers, hourly, daily or monthly with repeat counters.
Scripting:	C-like syntax. Support for events, floating point math, string manipulation and communication. Up to 64kB compiled code. Compiler/editor in web UI.

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