## MAIN FEATURES

✓ Can be used as stand-alone or as expansion module;
✓ Up to 32 Discrete INPUT;
✓ Independent data log (up to 8MB) with real time stamp;
✓ Remote configuration and upgrading possibilities over Ethernet;
✓ Wide range of interfaces: Ethernet, USB, RS232, RS485, Discrete IN;
✓ Galvanically isolated Discrete INPUTS and interfaces from CPU;

## OVERVIEW

DIN-32 controller is created for Discrete channels event logging and analyzing in a real time. Controller can be used as standalone device or as extension module (up to 32 Discrete channels) for other controllers, like MPC-374, MPC-330 and etc.. Using RS232, RS485 or Ethernet, controller sends saved data and reports to remote users.

Controller supports basic interfaces (Discrete inputs, RS232, RS485, Ethernet and USB) and wide range of protocols (and can be extended by our programmers, if you need some special). For data exchange over Ethernet and/or any Serial interfaces, controller uses Modbus TCP/IP, Modbus RTU, IEC60870-5-104:2000, SNTP and other protocols.

Our clients – GAS, Heat, Water suppliers, Industry companies in EU, Ukraine, Central Asia.

## BENEFIT TO THE CLIENT

✓ **Flexibility**, because you can customize hardware and software settings;
✓ Increase **efficiency**, because the data are sent to a central computer continuously. If connection is lost, data will be safe kept in controllers memory, until connection will be reestablished;
✓ Increases **security**, because the relevant information is rapidly shorten response time;
✓ **Simplicity**, because of intuitive control and optimally assembled LED's it is easy to monitor and maintain equipment;
✓ **A good partner**, because we not only will help you customize and make equipment, but also flexibly adapt controller, if your demands will change.

## Overall specification

**CPU:** ARM7
**Flash:** archive storage of 1-8 MB (2 MB by default), battery backup, data valid up to 5 years

## Interfaces

**RS232:** up to 15m (50ft), speed up to 19,2 Kbits/s
**RS485:** up to 1.2 km (0.75 mi), max 32 transivers, up to 19.2 Kbits/s
**USB:** type B, ver. 2.0,
**Ethernet:** twisted pair Ethernet 10/100 Mb, up to 100m (328ft)
**Discrete In:** 32 sink contacts

## LED indication

Power
Discrete Input signal status for each port
Serial ports read/write for each port
Ethernet status

## Protocols

Modbus RTU, Modbus TCP/IP, IP, ICMP, UDP, TCP, DHCP, PPP, ARP, IEC60870-5-104:2000

## General

**Power supply:** 9 – 36 VDC / 10VA
**Over-voltage protection:** >1000V

## Manufacturer:

Company "VALSENA"
Savanorių 271 – 412, Kaunas LT 50131
Lithuania
Phone: +370 37 310603
Fax: +370 37 310648
E-mail: valsena@valsena.lt

**Power consumption:** <10VA

## Physical characteristics

**Dimensions:** 197x128x50 mm
**Weight:** 400 g
**Case mounting type:** DIN32
**Safety class:** IP20

## Climate conditions

**Operating temperature:** -25 .. +60$^o$C (-13..140$^o$F)
**Storage temperature:** -40 .. +60$^o$C (-40..140$^o$F)
**Humidity range:** 5 – 95%, non-condensing

## Regulatory approvals

LST EN 55022:2000+A1+AC:2002+A2:2003
LST EN 55024:2000+A1:2003+A2:2003
LST EN 61000-4-2+A1+A2:2002
LST EN 61000-4-3+A1:2004
LST EN 61000-4-4:2005
LST EN 61000-4-5:2002+A1:2003
LST EN 61000-4-6:2002+A1:2003

## Programming and updating

**Remotely:** Ethernet
**Locally:** RS232 and USB

## Other features

Real time clock

## Warranty

**Warranty period:** 2 years

## Distributor: