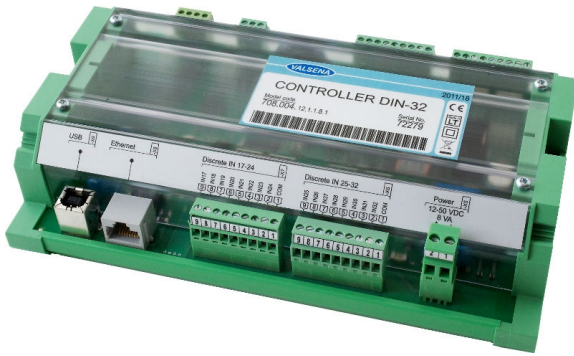




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DIN-32



Main features:

- Freely chosen interfaces: up to 4 interfaces.
- Supported interfaces: RS485, RS232, USB and LAN.
- Discrete inputs: up to 32 devices
- Supported protocols: Modbus RTU, Modbus TCP/IP, IP, ICMP, UDP, TCP, DHCP, PPP, ARP, SNTP, IEC60870-5-104:200.
- Power: 9-36 VDC (1.0VA)

First interface (galvanically isolated)		
RS485	distance up to 1,2km, max 32 transivers, speed up to 19.2 Kbits/s	
RS232	distance up to 15m, speed up to 19,2Kbit/s	
Second interface		
RS232	distance up to 15m, speed up to 19,2Kbit/s	
Third interface		
Ethernet	twisted pair, 10/100 Mbps, distance up to 100m	
Fourth interface		
USB (device)	Type B, ver. 2,0	
Discrete and Analog interfaces		
Discrete IN	32	sink contact
Protocols		
	Modbus RTU Modbus TCP/IP IP ICMP UDP TCP DHCP PPP ARP SNTP IEC60870-5-104:2000	
General		
Power	9-36 VDC	
Galvanic isolation	>1000V	
Capacity	300mA max	
Regulatory approvals		

Electromagnetic compatibility	EN 55022:2010 EN 55024:2010 EN 61000-4-2:2009 EN 61000-4-3:2006 EN 61000-4-3:2006/A1:2008 EN 61000-4-3:2006/A2:2010 EN 61000-4-4:2004 EN61000-4-4:2004/A1:2010 EN 61000-4-6:2009	
Safety	EN 60950-1:2006+A1:2010+A11:2009+A12:2011	
Specification		
CPU	ARM7	
Memory	archive storage 1-8 MB, independant data storage without power about 5 years	
LED indication		
Power	+	
Status of discrete input, for each port	+	
Serial ports read/write for each port	+	
Ethernet status	+	
Programing and updating		
Remote	Ethernet (RJ45)	
Locally	USB, RS232, RS485	
Physical characteristics		
Dimmensions	197x128x50 mm	
Weight	400 g	
Mounting type	on DIN32 rail	
Safety class	IP20	
Climate conditions		
Operating temperature	-25..+60 °C	
Storage temperature	-40..+60 °C	
Humidity range	5-95%, non-condensing	
Other fuetures		
Real time clock	+	
24 months warranty period	+	
MAX number of interfaces (for filter)		
Number of supported interfaces	4	
RS485	+	distance up to 1,2km, max 32 transivers, speed up to 19.2 Kbits/s
RS232	+	distance up to 15m, speed up to 19,2Kbit/s
Opto	-	(Kamstrup) data transfer interference
Mbus	-	up to 8 devices
Current Loop	-	Active or Pasive, 2 or 4 wire
Ethernet	+	twisted pair, 10/100 Mbps, distance up to 100m
USB (device)	+	Type B, ver. 2.0
USB (host)	-	Type A, ver. 2.0
HART	-	
Power for exteranal devices	-	3,7/5/6/8/10 V
Universal	-	Jumper switchable
GSM/GPRS	-	3 band 900/1800/1900 MHz

OVERVIEW

DIN-32 controller is created for data logging and analyzing of Discrete channels 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, Watering suppliers, Industry companies in EU, Ukraine, Central Asia.

DEFAULT FEATURES

- Up to 32 Discrete input ports;
- Independent data log (up to 8MB) with real time stamp;
- Remote configuration and upgrading possibilities over Ethernet;
- Interfaces: Ethernet, RS232, RS485, USB;
- Galvanically isolated interfaces and power supply.


BENEFIT TO THE CLIENT

- Economy, because controller does a lot of mechanic work, so your professionals can do more important work;
- 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 help you customize and will make equipment, but also flexibly adapt controller, if your demands will change.

CUSTOMIZING DEVICE

The exceptional feature of this device - a flexible hardware and software configuration, it depends on customer needs, you can choose the desired interface and functionality.

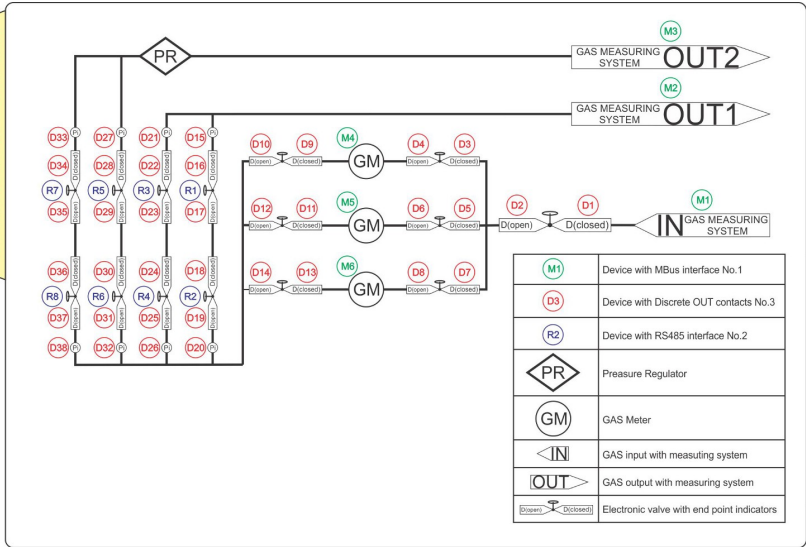
Manufacturers code:

708.004.	 Galvanically isolated							
	0 - none 1 - RS485 2 - RS232	0 - none 2 - RS232	0 - none 1 - Ethernet	0 - none 1 - USB	0 - none 1 - 4 discrete inputs 2 - 8 discrete inputs 3 - 12 discrete inputs 4 - 16 discrete inputs 5 - 20 discrete inputs 6 - 24 discrete inputs 7 - 28 discrete inputs 8 - 32 discrete inputs	0 - none 1 - Real Time Clock (RTC)		
	A	B	C	D	E	N		

708.004.12.1.1.2.1 - (RS485, RS232, Ethernet, USB, 8 Discrete_IN, RTC)

In GAS distribution station:

Connection schema



Solution example

