



# Z-LWS

## MICRO PLC ISAGRAF / CODESYS



Z-LWS has a powerful plc on board, webserver capability and Ethernet interface. All these functionalities in a compact size, only 17,5 mm width and suitable for din rail mounting. Both Modbus RTU and CANOpen are the interfaces available, master or slave and a connection with external HMI is also possible through the serial/Ethernet interfaces.

### TECHNICAL SPECIFICATIONS

#### General Data

Dc Power supply	10..40 Vdc
Ac Power supply	19..28 Vac / 50-60 Hz
Max power consumption	3.5 W
Isolation	1.500 Vac
Status Indicators	Ethernet Connection - Power Supply - PLC On - Ethernet link
Protection Degree	IP20
Operating Temperature	0..+55 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm
Weight	250 g
Enclosure	Nylon 6 with 30% glass-fiber, V0 self-extinguished class
Hot Swapping	Yes
Connection	Removable terminal block, max wire size 2,5 mm <sup>2</sup>
Mounting	35 mm DIN rail guide

#### Communication

Ethernet 10BaseT	1 (RJ45)
Serial Port #0	1 RS232 via RJ10-4/4)
Serial Port #1	1(RS485 - ModBUS)
Tp-wire	1
Ethernet – ModBUS TCP/IP	Yes (10 Mbps)
ModBUS RTU on RS232/RS485	Master / Slave
Serial Speed	1.200 ..115.000 bps
Parity	None, even, odd
Max Connection Distance	1200 m
System Protocols	http, FTP

#### Processing & Memories

Cycle Time	2.5 ms/K instruction
Data Processing	CPU RISC 32 bit – 20 MIPS
RAM Memory	256 kB
Retentative Variables	236 bytes
Backup Memory	Yes
Max Analog Variables	32.000
Max Timers	16.000
Max Counters	16.000

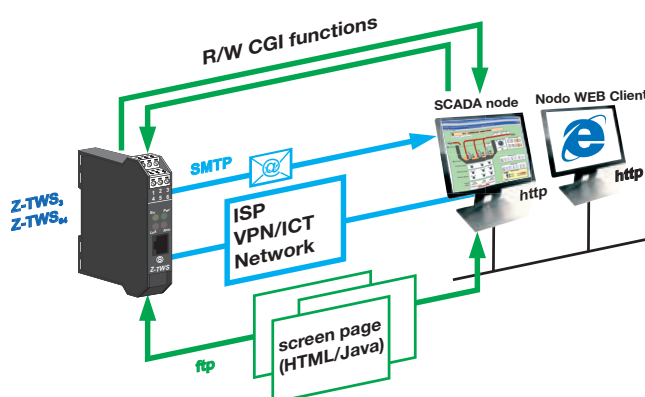
#### Programming

Z-NET3 (IEC 61131)	Yes
PLC/ISAGRAF/CODESYS	Yes

#### Standard

Norms	EN50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4, EN 50140/141; EN 61010-1; EN 60742
Approval	CE, UL-UR, RINA

### APPLICATION NOTE



### ORDER CODES

Code	Description
Z-LWS-I	Micro PLC – Standard Isagraf
Z-LWS-C	Micro PLC – Standard CoDeSys

### ACCESSORIES & SOFTWARE

Z-NET-3	Isagraf	CoDeSys	
Z-PC system configurator, IEC 61131 based pg. 36	IEC 61131 programming toolkit pg. 36	IEC 61131 programming toolkit pg. 36	
Z-PC DIN DIN rail bus system - Z-PC line pg. 36	Z-POWER DIN rail 19 Vac transformers pg. 36	Z-SUPPLY Redundant power supply 24 Vdc pg. 36	PM.... Connection cable pg. 36

### SIMILAR PRODUCTS

Z-TWS-3 Multi-function control unit pg. 38	Z-TWS-64 Multi-function control unit @ 64 bit pg. 39