



Lonbox® Series

WEB Server and Utility Data Logger for LonWorks® and Ethernet

The Lonbox® series of PID4000 WEB Servers and Utility Data Loggers for LonWorks® consists of two models. A basis model and a version with built-in GSM/GPRS modem.

The WEB Server and Utility Data Logger are typically used for registration of energy data; such as electricity, gas, water, district heating and more.

PID4000 has build-in web pages for configuration and service and in addition allows upload of customised web pages. The WEB pages are available via an Ethernet network.

The WEB Server and Utility Data Logger contain a 10/100BaseT Ethernet- and a LonWorks® TP/FT-10 hardware interface. Data on the LonWorks® network is logged according to user setting. The logged data is displayed on WEB pages and retrieved through standard XML files via Ethernet or GSM/GPRS. The data is able to be imported directly into Microsoft Office XP/2003, or into large-scale database systems.

The configuration of the WEB Server and Utility Data Logger is made by means of built-in WEB pages using a standard WEB client, such as Microsoft Internet Explorer.

The WEB Server and Utility Data WEB is able to log data in more than 200 different data channels and to recognize more than 120 standard LonMark® network variables. It is possible to create more than 1000 data points for monitoring and control.

Advantages:

- Easy installation
- Simple configuration
- TCP/IP protocol
- PPP modem access
- Security with SSL, MD5 and HTTPS



Software functions:

- WEB Server
- Data Logger
- XML read out
- E-mail and SMS message system

Technical data:	PID4000
LonWorks® Media	Twisted Pair TP/FT-10
Transceiver	FT-X1
Neuron-Chip	FT3120E4, 10MHz
Main processor	ARM 32-bit RISC
Prog. Memory	4 Mbyte Flash
Memory	8Mbyte SDRAM
Data Memory	2 Mbyte Flash
Data Channels	200
Ethernet	RJ45 10/100 Mbit TCP/IP protocol
Serial Port	RS232 Terminal and PPP protocol
Control Indicators	Neuron state, modem status, I/O status, Link and 100Mb in Yellow. Green Supply
Service Switch	Neuron service Pin
Supply	12 - 30Vdc, 8 - 24Vac
Consumption	Max. with modem, 350 mA @ 24Vdc 300 mA @ 24Vac
Protection class	IP20
Enclosure size	9 module Lonbox® DIN enclosure.
EMC immunity	IEC 61000-6-2
EMC emission	EN 50081-2
Safety	EN 60950
Operating temp.	0 til 45°C
Storage temp.	-20 til 70°C
Versions:	
PID4000-DIN	Standard Data Logger.
PID4000-DIN-GSM/GPRS:	Build-In GSM/GPRS modem.