

Field-Server

The LonWorks® Field-Server module belongs to the line of OmniACCESS products used for the realization of complete and modular access control systems.



DESCRIPTION

The module is equipped with a powerful 32-Bit processor and a flash memory of 8MB, which allows managing, in combination with the FT-GC225 modules connected to the same LonWorks network, up to 8 gates autonomously.

The field-server includes an interface for card readers, two digital inputs and one digital output that allow its use for the direct management of a single gate.

The configuration of each gate (access rights, time slots, exceptions,...), defined using the OmniACCESS Suite, is memorized in the flash memory, which is also used to store all events registered by the gates (transits, alarms, blocks, ...) before they are transmitted and stored within the OmniACCESS Suite.

The transmission of all information, which is encrypted using a proprietary algorithm, occurs through a TCP/ IP protocol on the Ethernet network.

MAIN FEATURES

- Management of 8 gates / 16 readers
- Management of 20 '000 badges
- Management of 500 time-slots, 500 exceptions, and 500 holidays
- Storage of up to 30 '000 events
- 2 digital inputs for buttons and magnetic contacts
- One digital output for an electrical lock

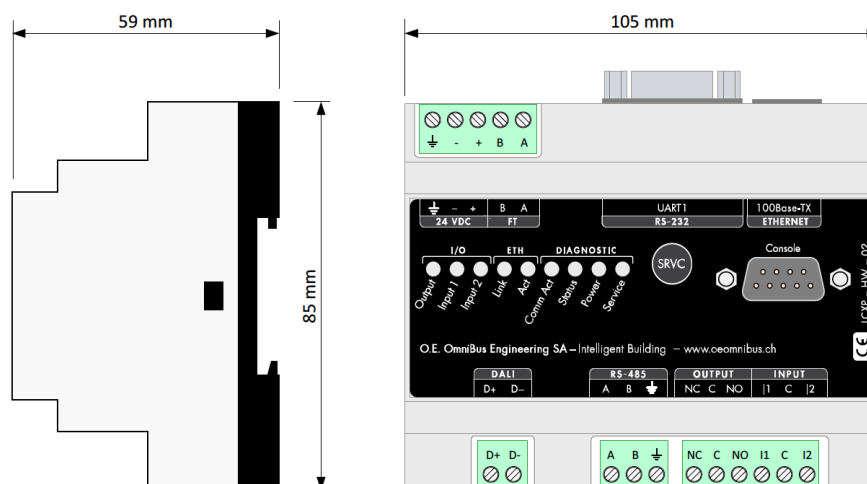


FIELD SERVER

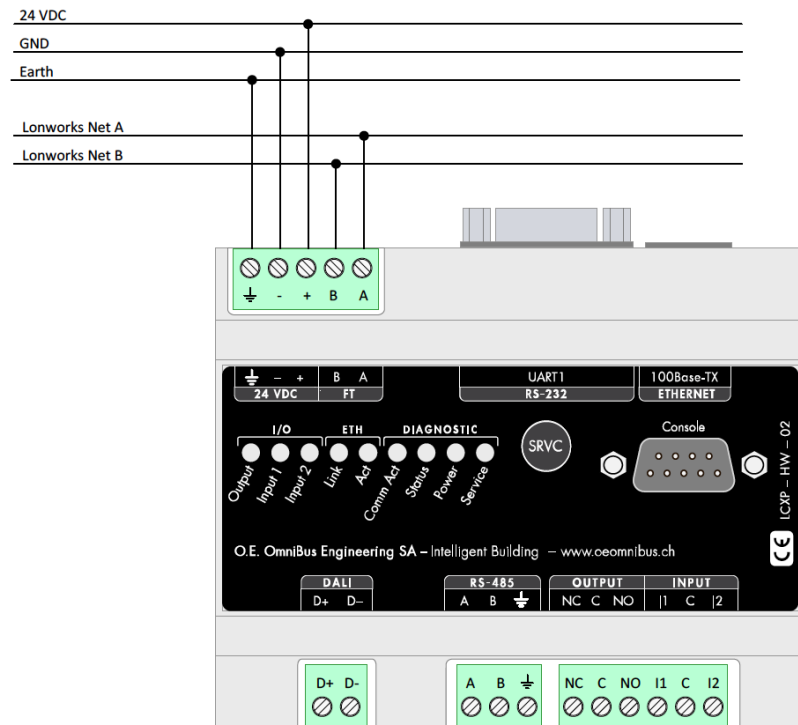
Technical specifications

Power supply	21...27 VDC, 0.25 A (Power supply SELV according to regulation EN 60950-1) Removable connector 5-Pin 5.08 mm pitch (shared with Lonworks interface)
Communication interface	Lonworks FTT-10 78Kbps 2- wire without polarity, removable connector 5.08 mm pitch Ethernet 10/100 Mbits, with standard connector RJ45 RS-232 (interface for configuration console), male connector D-SUB 9-pin
CPU	CPU 32 bits ARM7 LC3020 @ 50 MHz Real Time Clock con backup battery
Memory	8 MB Flash 16 MB SDRAM
Digital outputs	1 relay with NA and NC contacts. Characteristics of capacitive loads Maximum switching power 60 W Maximum switching voltage 27 VDC Maximum switching current 2 A Removable connector 6-Pin 5.08 mm pitch (shared with digital inputs)
Digital inputs	2 self-powered inputs (potential free contacts). Removable connector 6-Pin 5.08 mm pitch (shared with digital outputs)
Environmental operating limits	Temperature: 0°...+45 °C Humidity: 10..90% @ +50°C non-condensing
Environmental limits for storage	Temperature: 0°...+45 °C Humidity: 10..90% @ +50°C non-condensing
Container	Polycarbonate container (UL 94 V-0) white (top) and black (bottom) for assembly on a DIN rail
Dimensions	105 x 115 x 60 mm (length x width x height)
Assembly	On DIN rail, according to regulation EN 50022 Do not install outdoors or in humid environments (bathrooms, swimming pools, etc.) if not in containers with proper protection for use.
Disposal	Dispose in compliance with the directives 2002/95 / EC (WEEE devices)

Size and Layout



Power supply and Lonworks interface



Digital inputs and outputs

