



DESCRIPTION

The LonWorks® Omni LMG (Lonworks Multipurpose Gateway) device is part of the OmniBAS product line.

It represents a very performing gateway designed to support the functionality described below.

Interface gateway towards the LonWorks® network.

It allows to monitor/change the value of the network variables belonging to the device itself (dynamic variables created using a tool for network management) or belonging to remote devices installed within the same network. In addition, it consents to monitor the state of these remote devices.

The data (Data-points) is made available on the TCP/IP network using a proprietary protocol developed by Omnibus.



It is possible to handle up to 1200 data-points. 600 of these are intended for the management of local variables, while the remaining 600 are allocated to the remote variables and/or the state of the remote devices.

Scheduler for the management of weekly timetables and calendars.

The timetables allow to modify one or more datapoints defined in the gateway depending on date and time.

It is possible to manage up to 32 timetables and 32 calendars.

Lonworks programming

The LNS Plugin allows to easily define the configuration and operational parameters of the device.







Technical specifications

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 8 MB Flash Memory 16 MB SDRAM 1 relay with NA and NC contacts. Digital outputs Characteristics of resistive 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) Temperature: 0°...+45 °C Environmental operating limits 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.

21...27 VDC, 0.25 A (Power supply SELV according to regulation EN 60950-1)

Dispose in compliance with the directives 2002/95 / EC (WEEE devices)

Power supply

Disposal



OMNI LMG



Digital inputs and outputs

