

### Front view

#### LAN gateway for remote data transfer





### Features

- Data interface to the systems with Wurm control
- Identification of 4 Frigolink master modules
- Real-time clock and synchronisation of the day/night function for the entire system
- Fault forwarding of alarms to 2 different destinations
- Handling of 2 FIO001B or FIO-PAT input/output modules for additional fault/operation inputs and relays for provision of 4 alarm priorities
- Two relays for central alarm of the overall system (Prio 1 and Prio 2) or for alternative functions priority-free central alarm and router reset
- Data memory for signal history
- 8 LEDs for status display
- Temporary suppression of the fault report for work on the system using the Service key
- Direct connection of a CAN USB to the service socket
- Connection to the Wurm system via a communication bus (CAN bus) and Frigodata XP

## Product information

### Writing conventions

Symbol	Meaning
 <b>CAUTION!</b>	Avoid the described hazard: Otherwise <b>minor</b> or <b>medium</b> bodily injury or property damage will result.
 <b>WARNING!</b>	Avoid the described hazard: Otherwise there is danger from <b>electric voltage</b> that can lead to death or <b>serious</b> bodily injury.

### For your safety

For safe operation and to avoid personal injury and equipment damage through operational error, always read these instructions, become familiar with the device, and implement all of the safety instructions on the product and in these instructions as well as the safety guidelines of Wurm GmbH & Co. KG Elektronische Systeme. Keep these instructions ready to hand for quick reference and pass them on with the device when the product is sold.

Wurm GmbH & Co. KG Elektronische Systeme accepts no liability in case of improper use or use for other than the intended purpose.

<b>Target group</b>	These service instructions are directed at "service technician" specialists.
<b>Intended use</b>	The GTW-LAN gateway is used for remote data transfer via a network. It automatically relays alarms to max. 2 destinations.

### **WARNING! Danger of death from electric shock!**

- Switch off the power to the entire system when installing, wiring or removing! Otherwise a mains voltage may still be present even if the control voltage is switched off!
- The wiring of the device should be carried out only by a qualified electrician!
- Use only the correct tools for all work!
- Check all wiring after connection!
- Never expose the device to moisture, for example due to condensation or cleaning agents!
- Take the device out of operation if it is faulty or damaged and is therefore compromising safe operation!

### **CAUTION!** **Danger of fire if there is overloading of the relay contacts!**

- Ensure the maximum loads on all connections!

#### **Faults are caused by electromagnetic interference!**

- Use only shielded data lines and place them far away from power lines!

#### **Damage to device if handled incorrectly!**

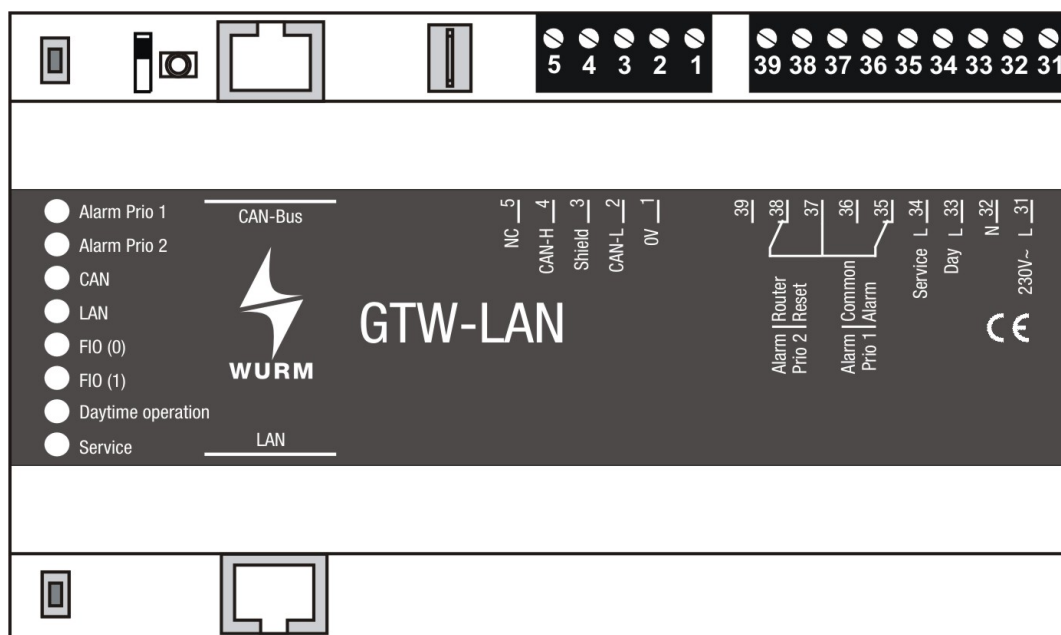
- Do not open the device.
- Do not repair the device yourself! If required, send it in for repair with an exact description of the fault!

## Software revisions and validity of documentation

Software version	Function expansion	Page
V1.0	2012-01	Base documentation
V2.0	2015-02	Updating of documentation

All software versions that are not listed are special solutions for individual projects and are not documented in this description in detail. The validity of this document automatically expires upon publication of a new technical description. **Manufacturer:** Wurm GmbH & Co. KG Elektronische Systeme. For further information, see our website at [www.wurm.de](http://www.wurm.de)

### Circuit diagram



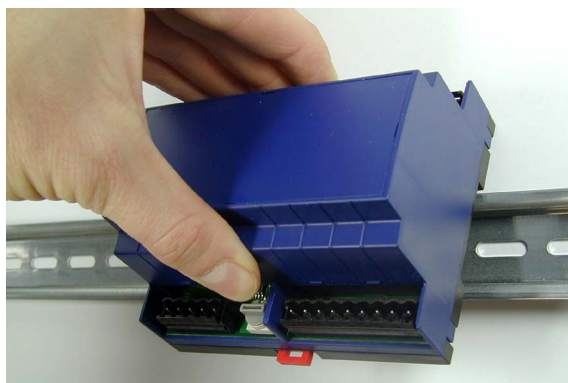
### Mount



#### **WARNING! Danger of death from electric shock!**

- Switch power off to the entire system when installing! Otherwise, external voltage can be present even when control voltage is shut off.

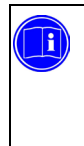
The device has been designed for profile rail mounting. The housing is a standard size and is also suitable for installation in fuse boxes. It can be positioned immediately next to another without gaps.



First, place the upper guide edge of the module on the top-hat rail and then press it downwards gently until it engages with the mounting safety catch on the rail.


## Product information

### Functional earth connection

	<p><b>Note!</b></p> <ul style="list-style-type: none"> <li>We expressly point out that the functional earth connection must be connected with the accompanying cable and the earth terminal. The earth terminal must be placed on the top-hat rail. Earthing is required to ensure trouble-free function.</li> </ul>
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### Technical data

<b>Supply voltage</b>	230 V~, +10%/-15%, approx. 6VA
<b>Inputs</b>	1 x 230V~, day/night signal (light contact) 1 x 230V~, service operation
<b>Output relay, central alarm</b>	2 x relays, changeover contact, 230V~, 4(2)A
<b>Communication</b>	3-wire CAN bus interface with integrated supply voltage, electrically isolated (RJ45 socket or terminals 1-5)
<b>Service connection socket</b>	CAN bus interface; 3.5mm jack socket
<b>Network interface</b>	Ethernet connection (10Mbit/s, RJ45 socket)
<b>Housing</b>	Plastic
<b>Dimensions</b>	(WxHxD) 160 x 90 x 58mm, DIN 43880
<b>Mounting</b>	Mounting rail DIN EN 50022 35x15
<b>Ambient temperature</b>	Operation: 0...+50°C, storage: -25...+70°C
<b>Weight</b>	Approx. 600g
<b>CE conformity</b>	EC conformity according to -2004/108/EC (EMC Directive) -2006/95/EC (Low Voltage Directive)
	RoHS
<b>Valid from</b>	Version 1.0

	<p><b>Note!</b></p> <ul style="list-style-type: none"> <li>This document will automatically become invalid when superseded by a new technical description.</li> </ul>
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