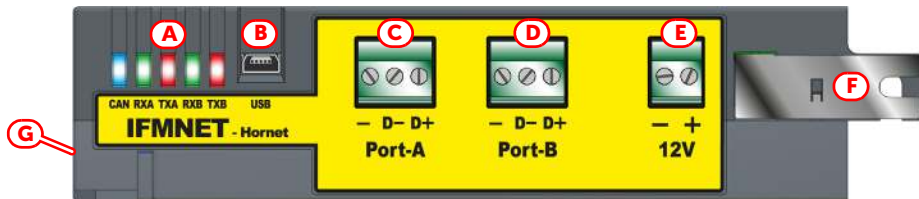


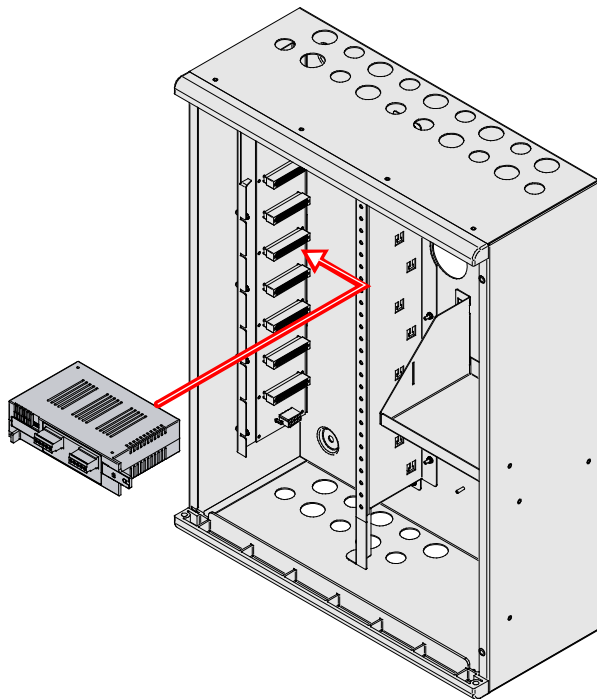
IFMNET

Internal module for Hornet+ networks

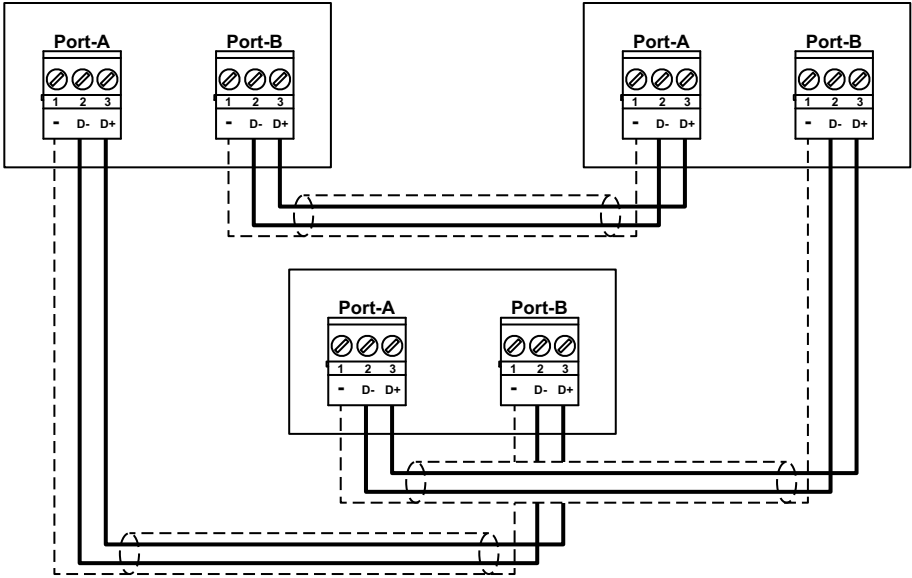
1 - IFMNET



2 - PRCAB + IFM



3 - Net



1 About this manual

Manual code: DCMIIN1PIFMNET

Version: 1.60

2 General Description

The IFMNET module allows you to connect two or more control panels in a Hornet+ network by means of two RS485 communication ports (A and B).

In cases where a fiber optic cable is used over long BUS lengths, it is necessary to use a RS485/fiber converter (non-INIM brand product). The module has a 12V output for the power supply to the converter in use.

IFMNET comes with:

- 3 screws for securing the module to the grounding bar
- Instructions manual

Figure 1 - IFMNET, page 1

[A]		Status LED
[B]		Mini USB port
[C]	Port-A	Connection terminal for port A
[D]	Port-B	Connection terminal for port B
[E]	12V	Terminals for the power supply to the RS485/fiber converter
[F]		Holes for the grounding bar screws
[G]		CAN drive connector (opposite)

IFMNET module - technical specifications

Power supply voltage	19-30 V $\overline{\text{---}}$ supplied by IFM24160 module
Operating temperature	from -5°C to +40°C
Consumption @ 27.6V	60mA
Maximum voltage on OUT 12V	0.8A for use inside the cabinet

LED IFMNET	Colour	On solid / Flashing
CAN	Blue	Activity on the CAN communication BUS
RXA	Green	Data reception activity on port A
TXA	Red	Transmission activity on port A
RXB	Green	Data reception activity on port B
TXB	Red	Transmission activity on port B

3 Mounting IFM internal modules

Refer to *Figure 2 - PRCAB + IFM, page 1*.

The internal modules (IFM24160, IFM2L, IFM4R, IFM4IO, IFMDIAL, IFM16IO, IFMNET, IFMLAN, IFMEXT) must be mounted in the special compartment inside the cabinet. There are two bars on either side of the compartment for mounting and connecting modules, up to 8 per cabinet.

1. Inside the compartment, find the position of the module that corresponds to one of the connectors on the PCB bar. If you are installing an IFM24160 power-supply module, you must use the first connector at the top. When installing any other type of internal module, you can use this or any other connector that is free.
2. Position the module in such a way that it is on level with the desired connector on the bar then insert it in place by pushing it carefully to the left.
3. Affix the module to one of the holes on the grounding bar using one of the supplied screws.
4. Complete the wiring on the internal module.

4 Wiring



Refer to *Figure 3 - Net, page 2*.

The connection of two or more control panels in a Hornet+ network can be achieved by means of two RS485 communication ports (*paragraph 2 - [C] - [D]*).

Cables:

2 wire shielded cable
Typical impedance 120ohm
Maximum length 1000m (between two successive control panels)
Compliant with local laws and regulations in force

The connection must be a loop connection and must respect the direction of the wiring: the terminals on the terminal board of PORT-B must be connected with their counterparts on the terminal board of PORT-A of the next control panel; whereas, the terminals on the terminal board of PORT-A must be connected to their counterparts on the terminal board of PORT-B of the previous control panel.

  EN IEC 62368-1		
Isolation class		I
Terminal type	USB	ES1, PS1
	PORT-A, B	ES1, PS1
	12V	ES1, PS1

Directive 2014/53/EU Hereby, INIM Electronics S.r.l. declares that these Previdia Max control panels are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. This product may be used in all EU Countries.

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WEEE

Informative notice regarding the disposal of electrical and electronic equipment (applicable in countries with differentiated waste collection systems)

The crossed-out bin symbol on the equipment or on its packaging indicates that the product must be disposed of correctly at the end of its working life and should never be disposed of together with general household waste. The user, therefore, must take the equipment that has reached the end of its working life to the appropriate civic amenities site designated to the differentiated collection of electrical and electronic waste.

As an alternative to the autonomous-management of electrical and electronic waste, you can hand over the equipment you wish to dispose of to a dealer when purchasing new equipment of the same type. You are also entitled to convey for disposal small electronic-waste products with dimensions of less than 25cm to the premises of electronic retail outlets with sales areas of at least 400m², free of charge and without any obligation to buy.

Appropriate differentiated waste collection for the subsequent recycling of the discarded equipment, its treatment and its environmentally compatible disposal helps to avoid possible negative effects on the environment and on health and favours the re-use and/or recycling of the materials it is made of.

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EvoMing Security

120ISO 9001 Quality Management
certified by BSI with certificate number FM530352

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