

# Previdia216



cert. N.991K



0832  
0832-CPR-F1342

EN 54-2  
EN 54-4  
EN 54-21  
EN 12094-1

## FIRE DETECTION CONTROL PANEL

# PREVIDIA|MAX



Previdia216 is a modular system for the construction of fire detection and extinguishant systems (max. 24 channels).

This upgradeable system allows the configuration of a custom-built modular installation which can be easily expanded to meet growing requirements. The Previdia Max system can have one or more cabinets (up to 4) assembled as a single control panel capable of managing up to 32 **IFM** units (loop modules, I/O modules, fire-extinction modules, etc.), and 8 **FPM** frontplate modules (back-up CPUs, LED modules, etc.).

Thanks to its functional modules and the help of special installation kits, this fire-detection control panel easily adapts to all types of environments and installations by allowing the creation tailored configurations perfect for every application. The IFM modules are hot swap modules that connect directly to the CAN DRIVE bar, therefore, can be added or replaced without switching the system off. As a result of this, the Previdia Max system allows you to carry out quick and extremely safe replacements without interrupting service.

The **IFM2L** loop modules are equipped with the INIM ELECTRONICS in-house developed technology, "power up boosters", which allows the operating voltage of each loop to be set in accordance with requirements.

Thanks to a distributed-intelligence structure which uses a microprocessor inside each module, redundant microprocessors in the main unit and the possibility of having a backup CPU, Previdia Max guarantees unmatched reliability. The security of the system is no longer entrusted to a single processing unit but to a group of interconnected CPUs which operate in synergy to provide the fastest and most effective response. This means that the control panel is certified to manage more than the 512 fire-alarm points contemplated in EN54 part 2.

As contemplated in EN54 part 2, the Previdia Max control panel is capable of managing GAS detection directly through the loop. This is achieved through specific interfacing boards, I/O or 4-20mA modules and by assigning a different display mode and priority from fire alarms.

Thanks to its network architecture, Previdia Max allows the realization of hybrid systems based on connections using bights, fiber optics and TCP-IP networks capable of overcoming all barriers and of reaching unprecedented cover. Each cluster of control panels interconnected through a **Hornet+** network can support up to 48 control panels, and up to 20 clusters can be connected through a TCP/IP network. Each cluster may consist of either a Hornet+ network, a control panel connected in TCP/IP or a repeat panel connected in TCP/IP.

Previdia Max, as a result of intensive use of technologies such as emails, web-server, TCP/IP connections, GSM telephone communications, and concepts such as graphic maps and IP camera video-verification of alarms, provides you with a system that is continuously under control and always at hand, this greatly reduces response times in moments of danger and also lowers the false alarm rate considerably.

It is possible to connect lighting and emergency lights from the **HARPER** range directly to the Previdia Max control panel loop and by so doing create a system with innovative functions for the supervision and periodic maintenance of the system.

Previdia Max is capable of performing all the tests required by the applicable laws in force relating to the periodic review and, by means of programming software, can generate all the documentation required by current regulations.

### IN THE PACKAGE

- Package dimensions: 500 x 620 x 250 mm
- Weight including packaging: 12.5kg

### ORDER CODES

#### Control panel Previdia Max base models

**Previdia216:** analog addressable control panel with 2 loops expandable to 16

**Previdia216R:** as per Previdia216 but comes in red cabinet

#### FPM front-plate modules

**FPMNUL** (max. 7): plastic support (provide no functions other than support)

**FPMLED** (max. 7): module with 50 programmable indicator LEDs

**FPMLEDPRN** (max. 1): module with 50 programmable indicator LEDs complete thermal printer

**FPMEXT** (max. 5): module for signals relating to extinction channels

**FPMCPU** (max. 1 as back-up): CPU module which can be programmed as a repeater, reserve CPU or main CPU

#### IFM internal modules

**IFM24160** (max. 4): power-supply module

**IFM2L** (max. 8): 2 loop module

**IFM4R** (max. 16): 4 relay module

**IFM4IO** (max. 16): module with 4 programmable terminals

**IFMDIAL** (max. 1): communicator module over PSTN or GSM line

**IFM16IO** (max. 4): module with 16 inputs/outputs

**IFMNET** (max. 1): module for the connection of control panels in a Hornet+ network

**IFMLAN** (max. 1): module for the management of advanced services over TCP-IP

**IFMEXT** (max. 24): gas extinguishment-system management module

#### Cabinets

**PRCAB:** add-on cabinet

**PRCABR:** add-on cabinet in red

#### Accessories

**PRCABSP:** spacer bracket for mounting the cabinet to wall

**PRCABSPR** as per item PRCABSP but in red

**PRCABRK:** bracket for mounting the cabinet to a 19" rack

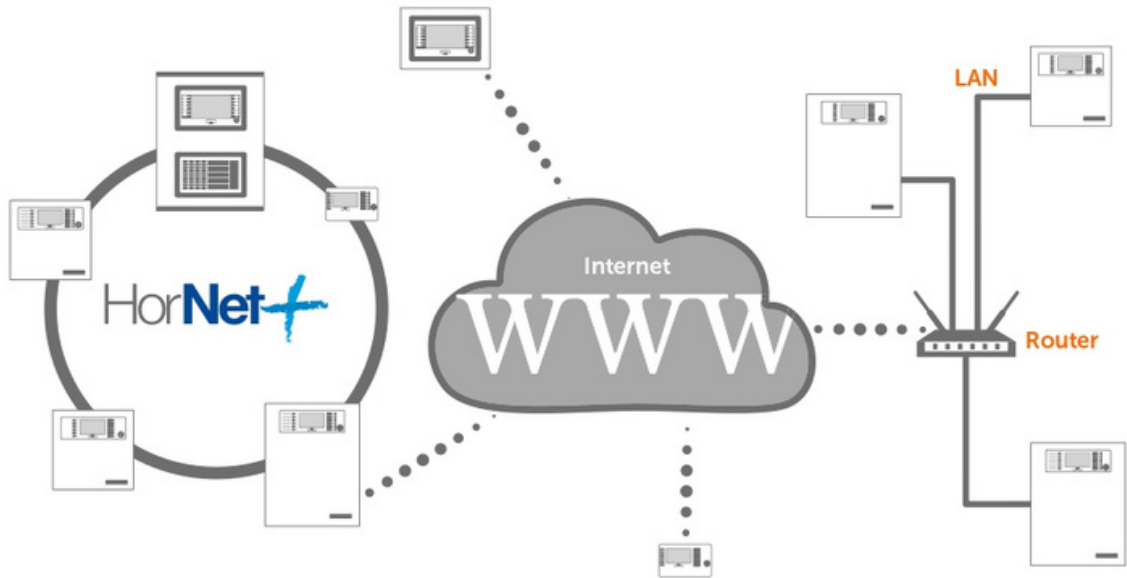
**PRREP:** enclosure for mounting FPMCPU module as remote repeater

**GSM-ANT100B:** high performance GSM antenna, white

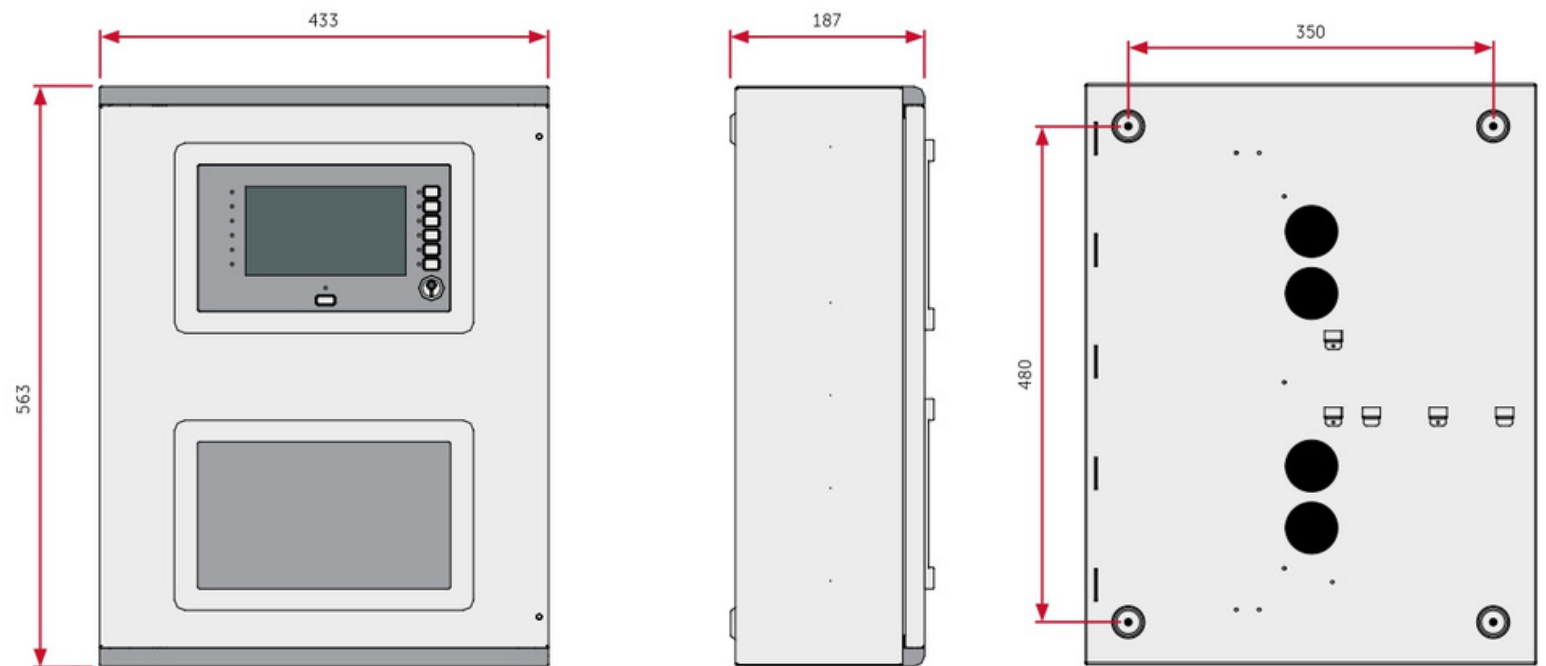
**GSM-ANT200N:** GSM antenna with installation bracket and 3mt cable, black

**PRBAC:** BACNET IP licence (requires IFMLAN)

# PREVIDIA|MAX



## DIMENSIONS



# PREVIDIA216



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