

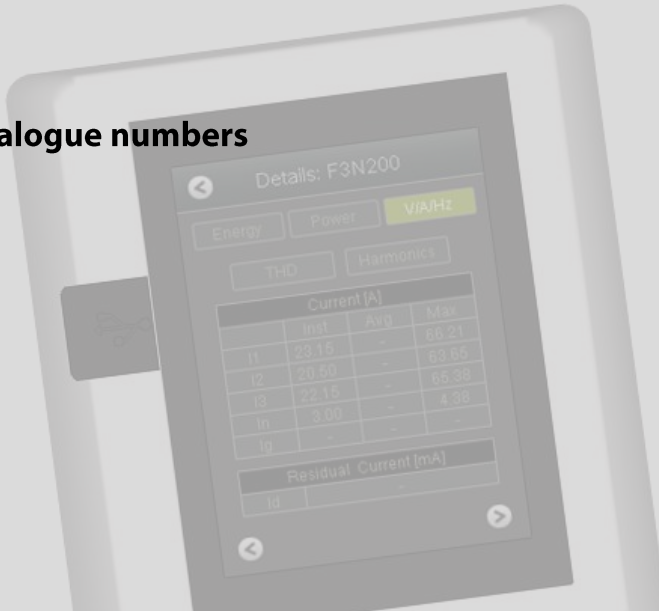




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## Catalogue numbers



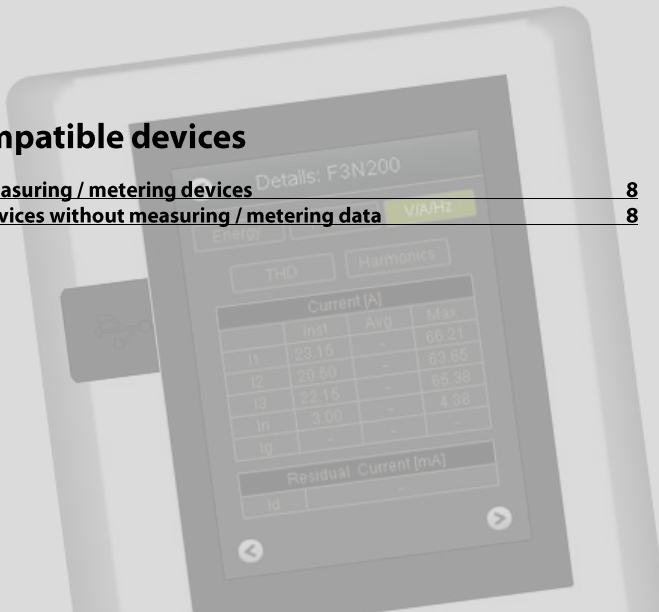
**BT-PM1TS: "Panel Board Display"**

- Management up to 8 devices

**Software version 1.0.10**

## Compatible devices

- 2.1 Measuring / metering devices 8
- 2.2 Devices without measuring / metering data 8



## 2.1 Measuring / metering devices

- Range **BTDIN**
  - Multifunction measuring devices:
    - Modular - Cat.No **F3N200**
    - Standard - Cat.No **F3N300**
    - Top - Cat.No **F3N400 - F3N500**
  - Energy counters RS485 :
    - Single-phase direct connection – Cat.No **F21DM63** (MID)
    - Three-phase direct connection – Cat.No **F41DM63** (MID)
    - Three-phase connection with CT – Cat.No **F41TMA** (MID)
  - Energy counters pulse output (with the Concentrator Cat.No **F4CON**):
    - Single-phase direct connection – Cat.Nos **F20D32** (Standard), **F20DM63** (MID)
    - Three-phase direct connection – Cat.No **F40DM63**(MID)
- Range **MEGATIKER**
  - **M2 250 electronic** only versions with **integrated measurement unit**
    - via the communication module Cat.No **M7COM**

- Range **MEGABREAK** with protection unit – touchscreen (Cat.Nos **MP6SH/TH**)
  - via the communication module Cat.No **M8COM**

## 2.2 Devices without measuring / metering data

- Range **MEGATIKER**
  - **M1 160 thermal-magnetic with integrated RCD**
  - **M2250 electronic, electronic with integrated RCD, electronic with integrated earth leakage protection and thermal-magnetic with integrated RCD**
    - via the communication module Cat.No **M7COM**
- Range **MEGABREAK** with protection unit – LCD screen (Cat.Nos **MP6BA/SA/TA**)
  - via the communication module Cat.No **M8COM**



## Languages available

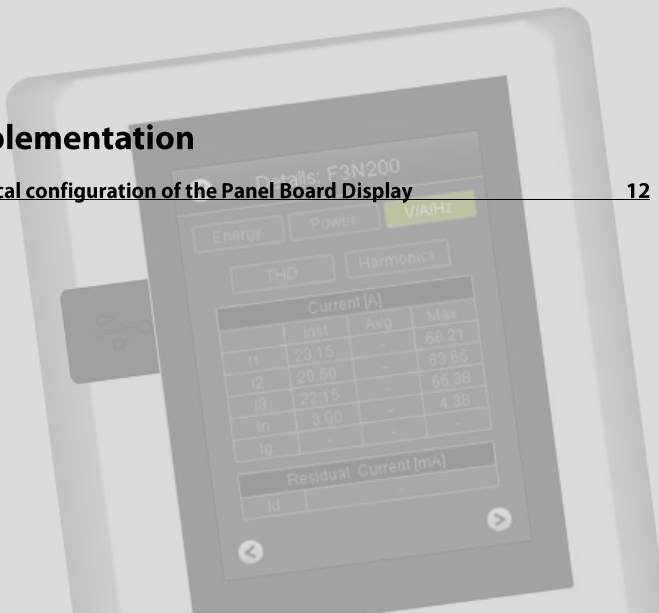


- **Languages:**

- English
- Italian
- Spanish

## Implementation

### 4.1 Local configuration of the Panel Board Display 12

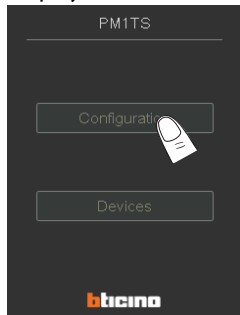


**ATTENTION!**

**Complete procedures for configuring the Panel Board Display (Display configuration) and the System (System configuration) are only available by accessing the Display by a computer.** (refer to the "User manual")

**By working locally on Display are available certain setting options (Network settings, Data & Time and Display calibration options) and all display pages of devices.**

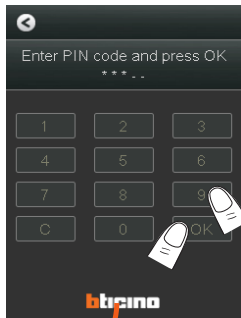
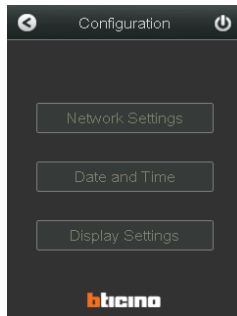
### 4.1 Local Configuration of the Panel Board Display



In the Panel Board Display's home page touch on "Settings". Login page appears

Type the access PIN code **99999** (default PIN) then press on "OK".

**Note:** Only user "Administrator" (default PIN 99999) can access this pages. For full details on creating and managing users, refer to the [User manual](#).



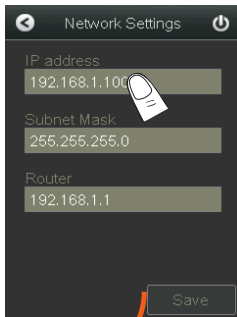
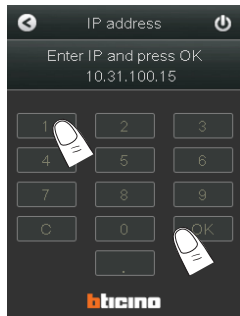
Panel Board Display's configuration page appears

## 4.1.1 Network Settings

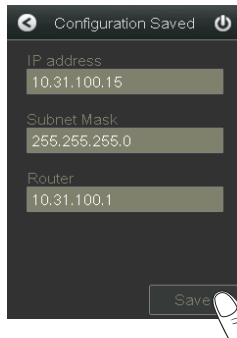


In the Settings page press on "Network Settings" to configure the LAN properties.

Network settings page appears. Pressing on one of the parameters (ex. IP address), a page where is possible to change the selected parameter appears.



Type on the touch screen the new value for the selected parameter (ex. 10.31.100.15), then press "OK".



Repeat the same operations for the other parameters (Subnet Mask and Router), then press "Save" to complete the setting.

**Note:** the device restart automatically.

### • Display default settings

- IP Address: 192.168.1.100
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.1.1

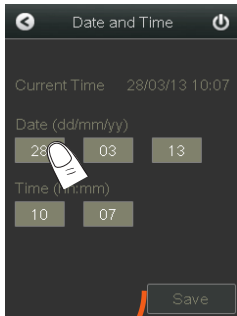
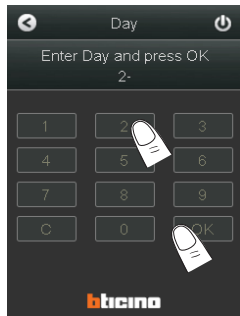
## 4.1.2 Data & Time



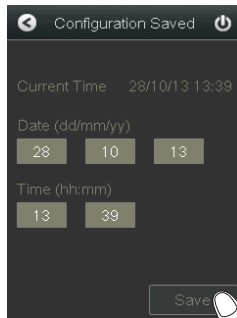
In the Settings page press on "Data and time" to set these parameters.

Data and Time page appears.

Pressing on one of the configuration fields (ex. Date), the edit page of the selected parameter appears.



Type on the touch screen the new value for the selected Parameter then press "OK".



Repeat the same operations for the other parameters then press "Save" to complete the setting.

### 4.1.3 Display Settings

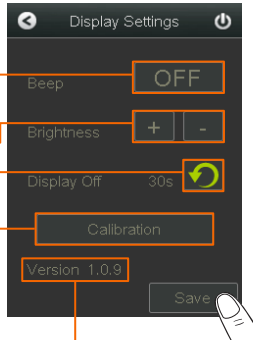


In the Settings page press on “Display Settings” to set the properties of the touch screen.

Display settings page appears.

Available settings:

- Enable/Disable the audible signal associated to the touching of a button on the screen.
- Increase/Decrease the Brightness of the screen
- Set the screen time out (possible values 30s, 1, 2, 3, 4, 5 min)
- Start Calibration procedure



Touch on “Save” to confirm the changes.

This page, also shows the version of the software embedded on the device



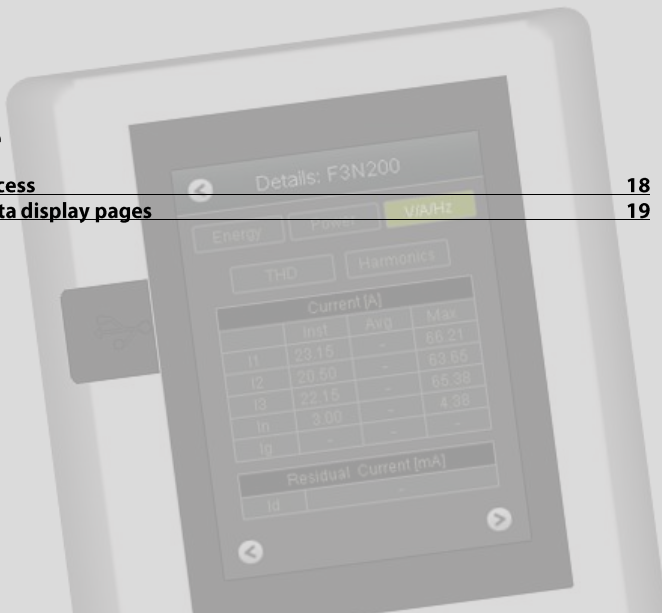
If the Beep is OFF, the device will not emit an audible signal.





## Use

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## 5.1 Access

Access to the Panel Board Display's settings page is protected by identification code (PIN code).

Three types of "default" users are configured:

- "Administrator"
- "Installer"
- "User"

### 5.1.1 Access rights

- "Administrator"

Access to the pages:

- Settings
- Devices

Default access PIN code:

99999 (5 characters)

- "Installer"

Access to the page:

- Devices

Default access PIN code:

55555 (5 characters)

- "User"

Access to the page:

- Devices


Default access PIN code:

11111 (5 characters)

### 5.1.2 Login procedure

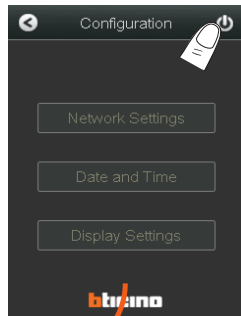
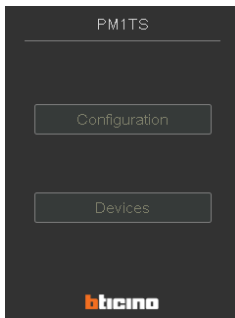
Login procedure is required only accessing the "Settings" page of the Panel Board Display.

### 5.1.3 Logout procedure

Logout icon  appears on all Display's pages once a user has logged-in to a page where the PIN code is required.

Touch the Logout icon.

Procedure returns the user to the Panel Board Display's home page whatever is the visualized page.



## 5.2 Data display pages

### 5.2.1 Devices

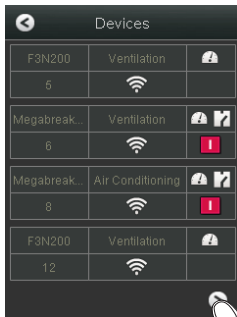
“Devices” page allows to view the consumption of each device added by the users.



In the Panel Board Display’s home page press on “Devices”

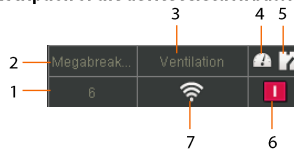
Devices list’s page appears.

This page shows the devices added with their characteristics and status icons.



Touch on the arrow in the lower part of the page to scroll the devices list.

### • Description of the device selection button



1. Modbus address (Modbus Address-Position, for the pulse output counters)
2. Name of the device
3. Assigned Load
4. Symbol indicates that the device is a measuring / metering instrument
5. Symbol indicates that the device is a protection device (ex. Circuit-breaker)
6. This symbol appears only if the device is a protection device and shows the circuit-breaker state:
  - Open
  - Closed
  - Tripped
7. Communication status
  - On
  - Off
  - Communication error

Procedure to switch ON/OFF a device is described in the “[User Manual](#)” (§ 4.10.1).



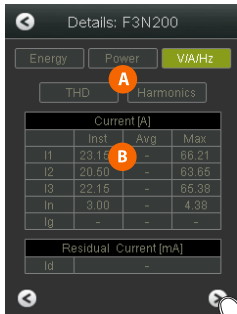
In the Devices list's page press on a Device button.

Details page of the selected device appears.

The page is divided into two parts:

section **A** is the area where is possible to select the electrical quantities that will be displayed in the section **B** :

- Energy
- Power
- Voltages / Currents / Frequency
- THD (if available on the Device)
- Harmonics (if available on the Device)



Touch the two arrows in the lower part of the page to view the different tables for the selected electrical quantity (ex. for the Energy: Active, Reactive and Apparent energy).









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