PRO PM335 Quick Start Manual

This guide instructs the user on installation, wiring, configuring and operating the PM335 multi-meter. This guide does not substitute the full user manual or the detailed safety instructions. To download the manual and other related material, please visit our website: www.satec-global.com

Warning! Only a licensed electrician may perform installations and wiring of the PM335.

Figure 1: PM335 front panel

INSTALLATION

The PM335 is designed for 4-inch round / 92x92mm square panel mounting.

Please note to leave room for future expansion: when a basic units (no modules), it is recommended to maintain a minimal gap of 30-100mm to the right (when facing front panel) of the unit, allowing future installation of additional detachable SATEC modules (depending on number of added modules: 17.8mm each).

ELECTRICAL CONNECTIONS

The following steps correspond with a low-voltage three phase network (figure 2):

1. Make sure all power sources are disconnected.
2. Make sure that your designated power supply corresponds with the unit's rating.
3. Connect the power supply (bottom-left of back panel) via 12 AWG wires and a designated circuit breaker.
4. Standard external current transformers: connect the CT's (14 AWG minimum) "**+**" pole to the device's **I1**+ current input (unit's bottom right of rear end, as in figure 2) and the "**-**" pole to the adjacent **I1-** current input. Repeat this for the following two phases, **I2** and **I3.**
   Verify proper polarity in your connections in accordance with the arrow printed on the external CTs.
   "HACS" CTs: connect the red/white wire to the "+" terminal and the black/orange (colors vary according to the CT model) wire to the "-" terminal.
5. Connect the voltage measurement inputs (22-12 AWG; bottom-center of rear end).
6. Connect the com wire (26-12 AWG, shielded) to COM1 (RS485, top-left of rear-end).
7. Power-on the unit.

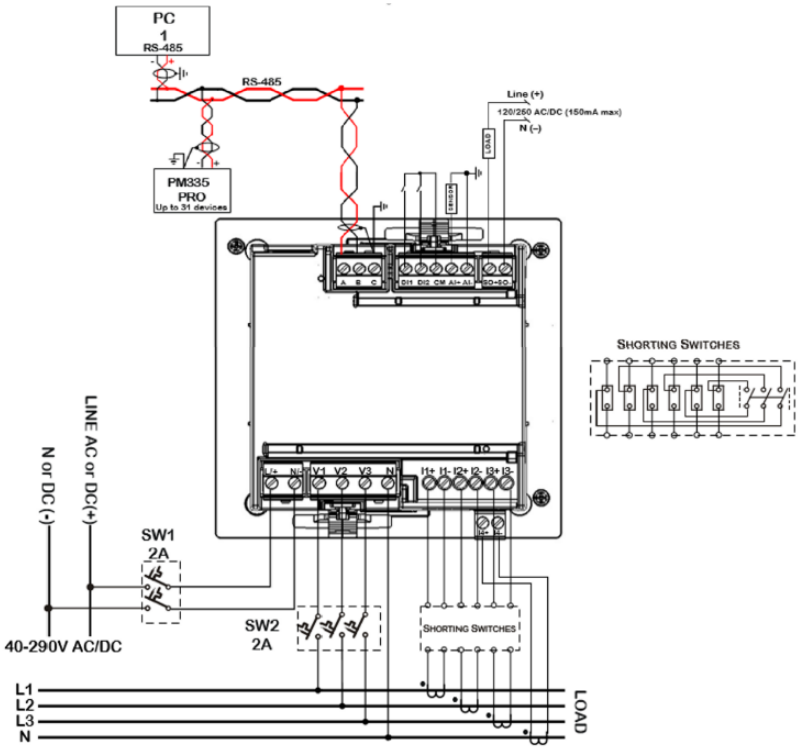

Figure 2: Electrical wiring

BASIC CONFIGURATION AND OPERATION

The PRO PM335 is operated via the LCD display, 2 LEDs and 4 pushbuttons (figure 1: front panel).

When powered on, the device will default to displaying voltages, for basic setup back up (<- button) to the home screen navigate with arrows to “setup” (select with ✓), enter default password (“9”) and select (“apply”). Open “general setup” to reveal “basic setup” for configuration.

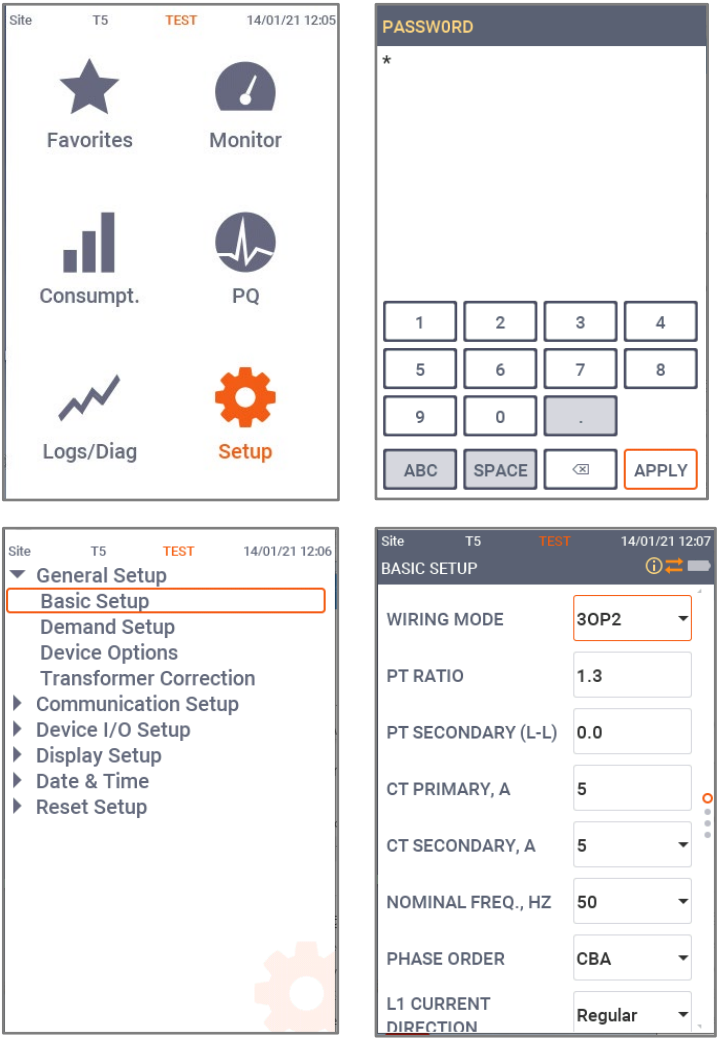

Figure 3: Screenshot sequence for basic setup

CONNECTING OPTIONAL SATEC MODULES

1. **DO NOT HOT-SWAP. When adding modules, make sure the unit is disconnected from power supply**
2. Remove cover (sticker on right side of unit) to reveal port
3. Attach the module tightly and tighten the clips
4. Power on the unit

GENERAL INFORMATION AND SYSTEM DEFAULTS

1. Default password: 9
2. Default IP: 192.168.0.203 (ETH1)
3. Default current mode (HACS model): Alternating Current (AC)
4. Default serial com settings (RS485): 19,200 Baudrate; address = 1
5. For convenient configuration please use SATEC's PAS engineering software, connecting your PC to the USB port (type C) at the right side of the front panel
   To download PAS (free): www.satec-global.com/power-analysis-software
   make sure to update .exe file with the most recent update available on webpage