SATEC
Powerful Solutions

VRM Module Quick Start Manual

SATEC Voltage Regulator Module

For Direct Current Applications

Mounting, electrical connection and settings of the VRM Module shall be made in accordance with all applicable laws and/or regulations and be performed by authorized personnel only.

SATEC VRM Module is designed for connecting SATEC meters to DC voltage systems above meter rating (800V DC for PM130 PLUS and 800V DC for PRO EM235/PM335) ranging up to 1500V DC.

Dimensions: 127 x 75 x 52 mm

Weight: 80 grams

Installation: DIN-Rail only

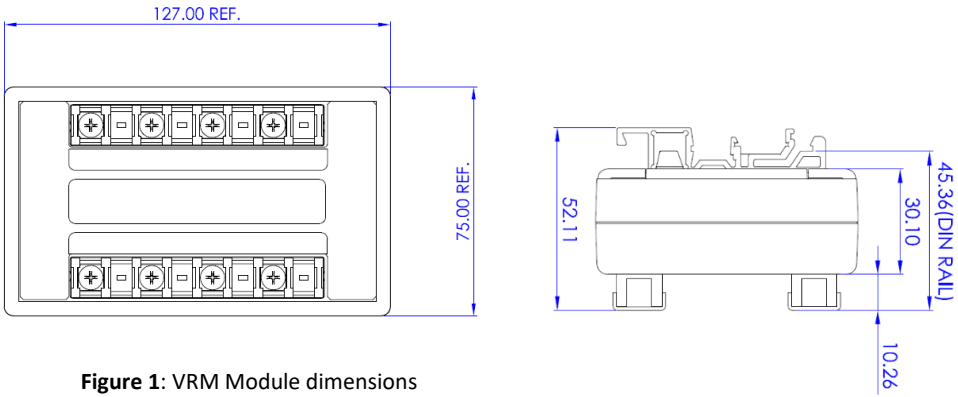


Figure 1: VRM Module dimensions

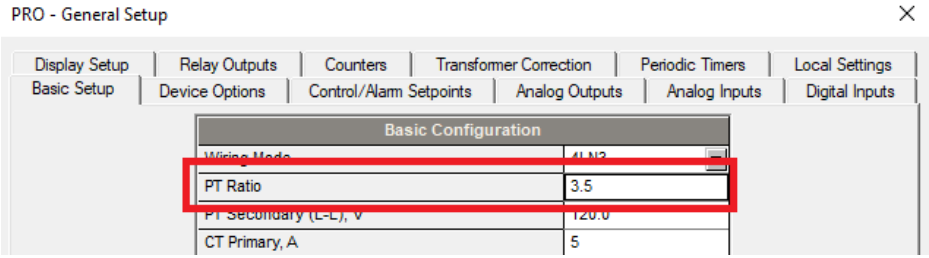
Figure 2: VRM Module

VOLTAGE RATIO MODULE CHARACTERISTICS

- Accuracy = 0.1%
- 3 Independent voltage inputs
- Terminals: Wire size: 12 AWG (up to 3.5 mm2)
- DIN-rail installation

ELECTRICAL INSTALLATION

It is recommended that the distance between the SATEC VRM and SATEC meter should not exceed 2 meters, using cabling featuring minimum 600V insulation.



When using SATEC VRM, the correct ratio coefficient must be set with PAS software software (“Basic Setup” tab):

- Using the PRO Series meters, enter “ratio” = 3.5
- Using the PM130 PLUS, enter “ratio” = 11 Ratio coefficient = 11