

AC Monitor



Model: ACMCANDN

| CAN COMMS | DIN RAIL MOUNT |

Enatel's AC Monitor (ACM) when integrated with the EM4x energy manager monitors an AC circuit. Key functionality includes measurement, recording and reporting of star or delta connections, specifically voltage, current, frequency, energy, and surges.

Key Features & Benefits

- Simple and insightful reporting – Get quick, valuable insight into the status and history of your AC circuits
- Surge Bucketing – Monitor and check the surge protection of your critical site equipment during unexpected outages caused by extreme weather events
- Complete Solution or Add-on Module – Can be built to order or installed separately

More Insight into your System

The Enatel AC Monitor offers unique industry leading surge bucketing, the detection and counting of surge events. Multiple levels of detection enables straight forward trouble shooting. Through detailed reporting and monitoring in-depth fault finding, analysis and optimisation of the site can be performed.

Easy Installation

Installing the AC monitor is easy, DIN rail attachment allows flexible installation in a system or distribution box. With the ACM CAN comms multiple ACMs can be simply installed at a site both internally and externally, to monitor and report on ancillary equipment such as air conditioners and generators.

Stand-alone, Add-on or a Complete Solution

The AC Monitor is an essential part of Enatel key solution functions such as phase balancing, single phase back-off, generator antistall and generator MPP.

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ACM Specifications
 ACMCANDN



COMPATIBILITY

COMPATIBILITY: EM4x energy manager controller (firmware version 10.0 and greater)

ACM INPUT

CONFIGURATIONS SUPPORTED: 3 Phase Star with Neutral
 3 Phase Star No Neutral
 3 Phase Delta
 3 Independent Single-Phase Input

MEASUREMENT RANGE: 100-277V (Phase to Neutral, Nominal line voltage)
 200-480V (Phase to Phase, Nominal line voltage)

FREQUENCY RANGE: 35-75Hz (Nominal: 50Hz)

CURRENT TRANSFORMER INPUTS: 3

TEMPERATURE SENSOR INPUTS: 1

ACM PROCESS AND FUNCTIONS

SURGE LEVEL DETECTION 1.0 kV to 2.0 kV
 2.0 kV to 3.0 kV
 3.0 kV to 4.0 kV
 4.0 kV to 5.0 kV
 5.0 kV to 6.0 kV
 >6kV

ENVIRONMENTAL REQUIREMENTS

AMBIENT TEMPERATURE
 RATED OPERATING RANGE: - 10°C to + 55°C (14°F to 131°F)
 STORAGE RANGE: - 25°C to + 75°C (-13°F to 167°F)

MECHANICAL

DIMENSIONS: W: 17 mm (0.67 in)
 H: 90 mm [120 mm with connectors] (3.54 in [4.72 in with connectors])
 D: 74 mm (2.91 in)
 WEIGHT: 80 g (0.18 lb)

COMPLIANCES

SAFETY: IEC 61557
 EN61010
 EMC - IMMUNITY CISPR 35
 IEC 61000-4
 EMC - EMISSIONS CISPR 32
 ETSI EN 300 386
 CERTIFICATIONS CE
 RCM

Due to product development, specifications are subject to change without prior notice.
 Pictures may be representative: actual products may differ.

