

Energy Manager

SPECIFICATION

The Enlighted Energy Manager is a local server that provides a web-based user interface to the Enlighted Control network.

OVERVIEW

The Energy Manager provides the data analysis for all data harvested by the Enlighted network devices, such as sensors. In addition to being the collection point for the energy, occupancy, and environmental data captured by Enlighted Smart Sensors, the Energy Managers provides a web-based user interface for lighting system management and optimizing building system performance.

FEATURES

Simplified Lighting Control Management

- Easily configure and manage lighting behavior by adjusting software profiles
- Generate reports on lamp and fixture outages, carbon reduction, energy and financial savings
- Manage up to 1,000 individual sensors
- Direct power metering at individual fixture level, providing data for comprehensive savings analysis by control strategy
- Retain lighting data for up to 36 months

Power Metering

- Direct power metering at individual fixture level

Comprehensive Insight into Building System Performance

- Gain insight into space usage patterns
- Optimize operating costs, energy efficiency and sustainability goals
- Participate in Automatic Demand Response (ADR) and Demand Response (DR)

Standards-Based Communications Protocols

- Use of industry standard communication protocols provides robust and mature capabilities

Data Security

- AES 128-bit encryption for wireless data transmission
- SSL encryption for TCP/IP data transmission
- Password protected access control

Flexible Deployment

- Installable on IT network, dedicated building network, or as stand-alone system
- Intuitive graphical user interface accessible via standard secure web browser



The Enlighted Energy Manager

L	8.00"	203.2mm
W	10.06"	255.5mm
H	.91"	23.1mm
Weight	38.09 oz	1.08 kg

Note: Height includes rubber feet



ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

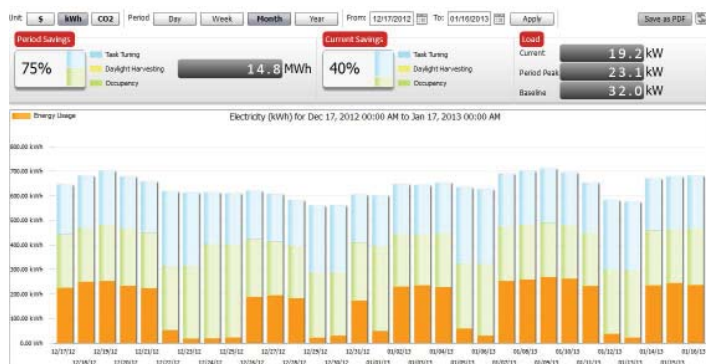
Job Number:

Model Numbers:

☐ EM-2-01

☐ ENCL-EM/FAN

Energy Manager



MOUNTING

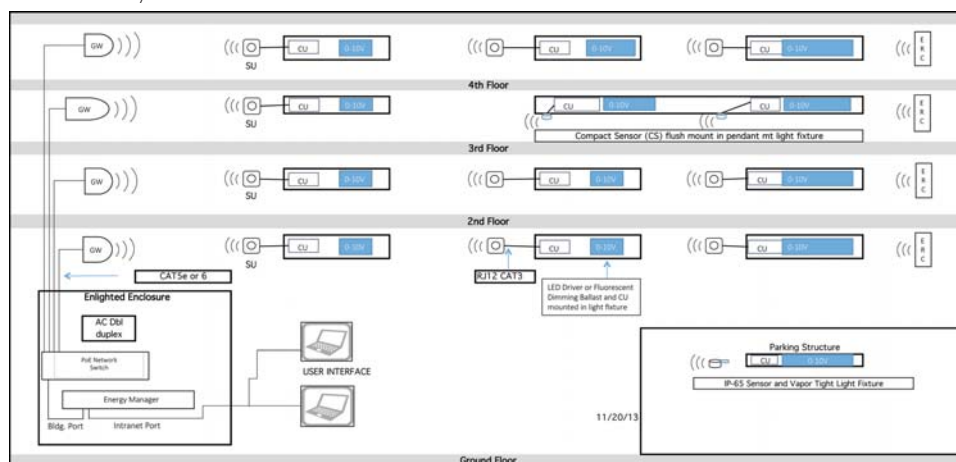
The Energy Manager is usually mounted in an electrical or telecom room in the Enlighted Enclosure with the PoE and a double duplex receptacle. RJ-45 connectors are included for the Enlighted system and to connect to an IT network, or on a building automation and control network.

WIRING & OPERATIONS

The Energy Manager has two Ethernet ports: the Building port and the Intranet port. The Building port is connected to one of the Ethernet ports on the PoE Switch. The Intranet port is connected to the client's IT network or the client's local computer. The software that resides in the Energy Manager can be accessed securely via a web browser, thus eliminating the need for clients to download any software.



Enlighted Enclosure



TECHNICAL SPECIFICATIONS

Operating System: Linux-based

Web Client: Server connection

Security: TCP/IP, Standards-based

BACnet: BACnet/IP

Operating: 32° to 122° F / 0° to 50° C

Enclosure: Ruggedized aluminum

Power Supply input: 120/240 1.2A

Power Supply output to EM: DC 20V, 40W

ORDERING INFORMATION

EM-2-01 Enlighted Energy Manager (EM)

ENCL-EM/FAN Enlighted Enclosure for EM and POE Switch

COMPLIANCE

Europe

United States

Canada

Warranty: 3 years