Maximal11E
Expandable Power System

Rev. DSMaximal11E_02142014

Maximal11E

Overview

Maximal11E provides system designers and installers with maximum power choices and the highest levels of versatility. It provides 12VDC, 24VDC, or 12VDC and 24VDC simultaneously via two (2) single output power supply/chargers. It includes AC fail, low battery and battery presence monitoring. Optional Altronix® field installable UL Listed sub-assemblies provide multiple outputs and a wide range of features for specific Access Control and Fire Alarm applications.

Specifications

Input:
- 115VAC 60Hz, 7.0 amp input.

Output:
- 12VDC and/or 24VDC outputs.
- Maximum output current:

Options	P/S 1	P/S 2
A	12VDC @ 3.5 amp	12VDC @ 3.5 amp
B	24VDC @ 2.7 amp	24VDC @ 2.7 amp
C	12VDC @ 3.5 amp	24VDC @ 2.7 amp

- Class 2 Rated power limited outputs.
- Filtered and electronically regulated outputs (built-in power supply).
- Thermal and short circuit protection with auto reset.

Fuse Ratings:
- Power Supply input fuse rated @ 3.5 amp/250V.

Features:
- AC fail supervision (form “C” contact).
- Low battery and battery presence supervision (form “C” contact).

Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.

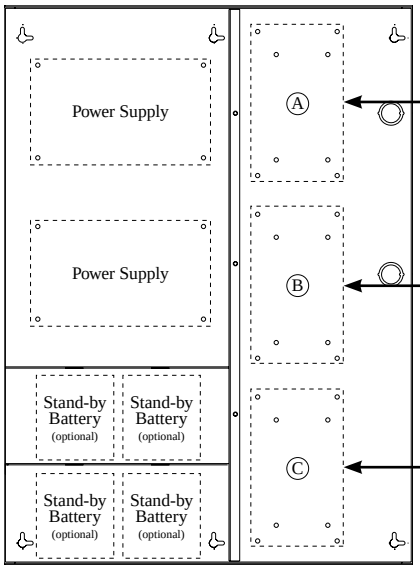
Battery Backup *(cont’d)*:
- Maximum charge current 0.7 amp per p/s board.
- Automatic switch over to stand-by battery when AC fails.
- Zero voltage drop when unit switches over to battery backup (AC failure condition).

Visual Indicators:
- AC input and DC output LED indicators.

Electrical:
- Operating temperature: 0º C to 49º C ambient.
- BTU/Hr.:
  - 12VDC: 43.00 BTU/Hr.
  - 24VDC: 66.33 BTU/Hr.
  - 12VDC & 24VDC: 54.66 BTU/Hr.
- System AC input VA requirement: 805VA.

Mechanical:
- Enclosure Dimensions (H x W x D approx.): 26” x 19” x 6.25” (660.4mm x 482.6mm x 158.75mm)
- Enclosure accommodates up to four (4) 12AH batteries.
- Product weight (approx.): 42.3 lbs. (19.17 kg).
- Shipping weight (approx.): 46.3 lbs. (21.00 kg).

Optional Field Installable UL Listed Sub Assembly Modules



Location Ⓐ - ACM4, ACM4CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

Location Ⓑ - ACM4, ACM4CB, ACM8, ACM8CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

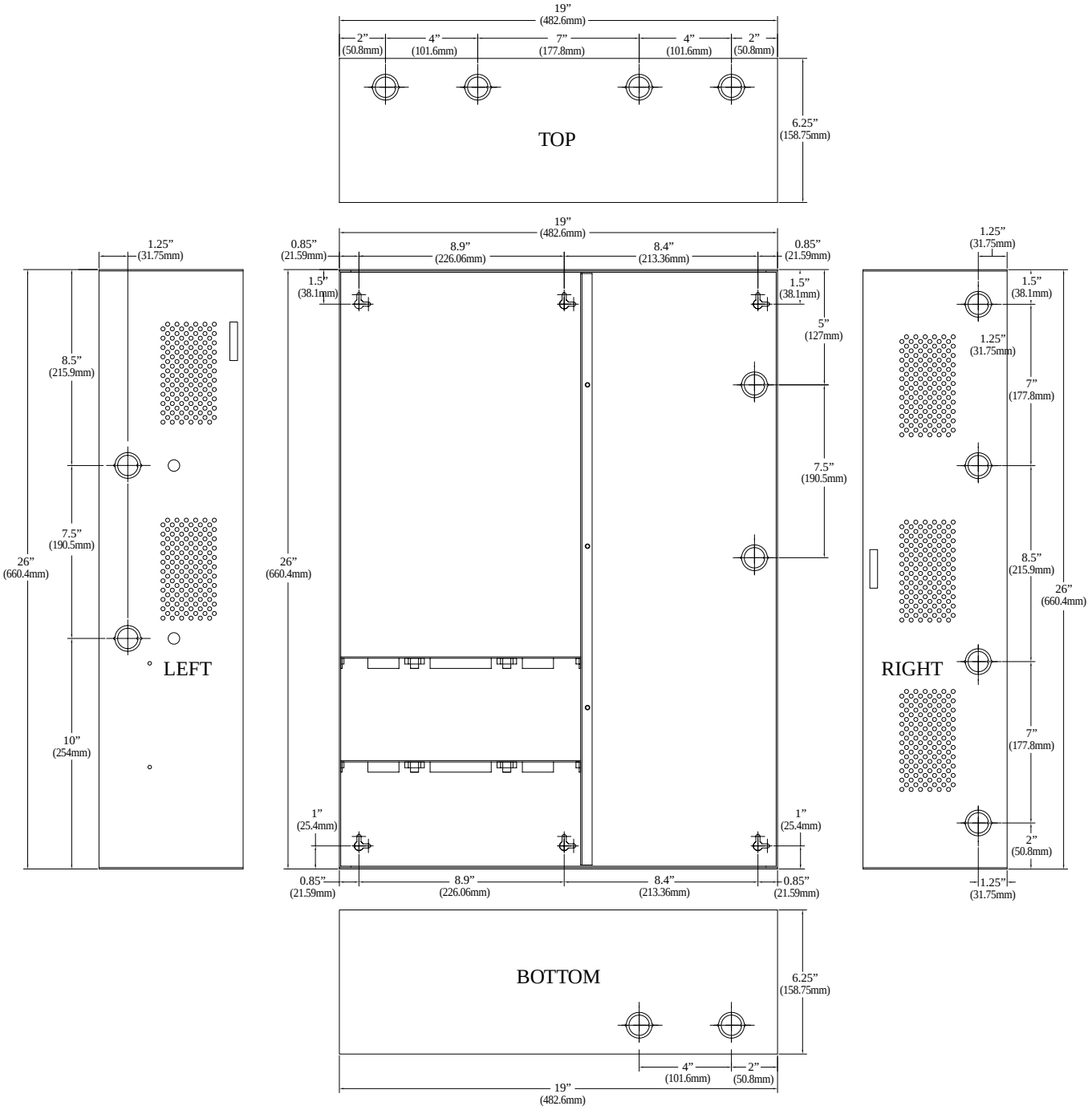
Location Ⓒ - ACM4, ACM4CB, ACM8, ACM8CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

Agency Approvals

UL Listed for Access Control System Units (UL 294).

CUL Listed - CSA Standard C22.2 No.205-M1983, Signal Equipment.

CSFM
California State Fire Marshal Approved.

Enclosure Dimensions *(H x W x D approximate)*:

26” x 19” x 6.25” (660.4mm x 482.6mm x 158.75mm)