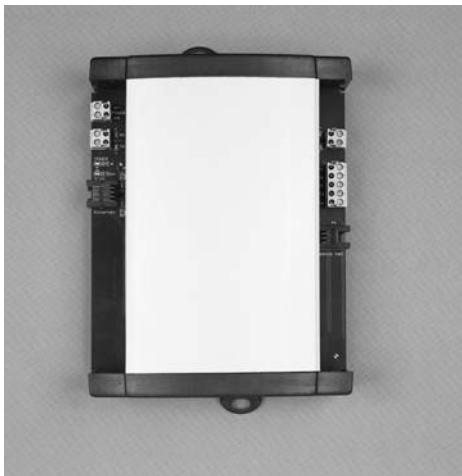


Access System Manager ASM-24E

Description

The Delta ASM-24E is a fully programmable, Native BACnet™ Building Controller that communicates on a BACnet MS/TP RS-485 LAN or BACnet over Ethernet. It is an intelligent controller specifically designed for access control applications. This controller provides access control capabilities through a network of door modules which act as extended I/O to the Access System Manager.



Application

The ASM-24E is designed for access control of multiple doors. Up to twelve 2 Door Modules (ADM -2W704) may be connected to an Access System Manager via LINKnet. The Access System Manager can hold a maximum of 10000 cardholders and events.

The ASM-24E provides easy to configure alarms for system monitoring and annunciation of card-access events and alarms.

Programming the access control system is easy and intuitive because the programming is object oriented. Standard I/O and objects are created automatically and can be modified. GCL+ can be used for advanced custom programming and integration.

Features

- BACnet MS/TP and BACnet PTP protocols
- Database backup via non-volatile Flash memory
- Fully programmable in GCL+
- Easy-to-mount housing
- Application database can be loaded over the network
- Controller firmware can be flash loaded over the network
- Derived Network Addressing (DNA) for simple integration into a standard network architecture
- Operation of the card access system is completely contained in the controller, no PC required for operation
- Can be powered from a 12VDC battery in the event of a power failure

Specifications

BACnet Device Profile

BACnet Building Controller (B-BC)

Device Type

BACnet, can be configured as an Area, System or Subnet device

Technology

32-bit processor

2 MB (16 megabit) Flash memory

1MB SRAM memory (database memory)

Real-time clock with lithium ion battery for clock & SRAM backup

LED status indication

Device Address

Set via DIP switch and jumpers or software setup

Communication Ports

Main LAN (NET1)BACnet MS/TP @ 9600,19200, 38400 or 76800 bps (default) (maximum of 99 devices per BACnet MS/TP segment)

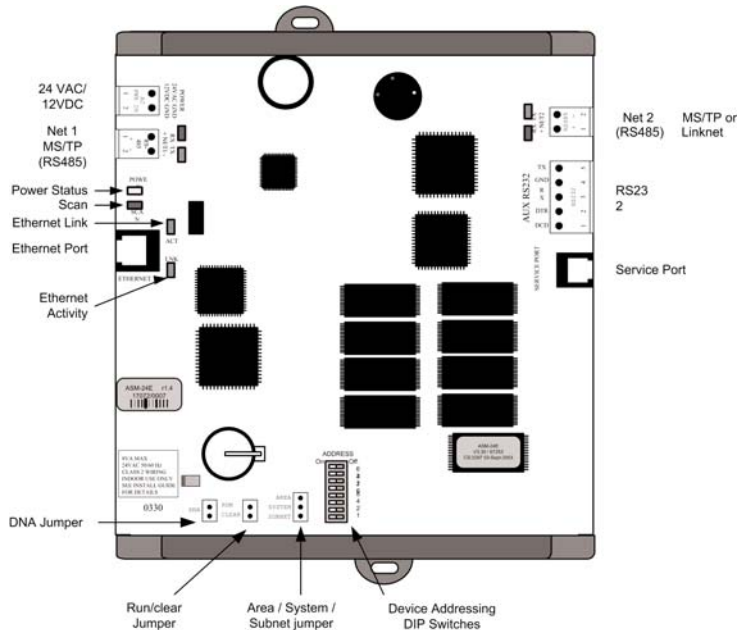
SubLAN (NET2)Delta LinkNet @ 76800 bps (maximum 12 Delta 2-Door ADM-2W704 module devices per controller)

BACnet over Ethernet, 10-BaseT

BACnet PTP @ 4800, 9600 (default), 38400 or 115200 bps

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Access System Manager ASM-24E: Board Layout Diagram



Specifications (Continued)

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

12 VDC (from ADM-2W704)

24 VAC 50/60 Hz

8 VA

LED status indication

Ambient

32° to 131°F (0° to 55°C)

10 to 90% RH (non-condensing)

Dimensions

5.75 x 8.25 x 2.25 in.
(14.6 x 21 x 5.6 cm) with housing

0.71 lb. (320 g) with housing

Approvals/Standard

CE

FCC

Accessories

ADM-2W704—Delta 2 Door Module

Ordering

Order the ASM-24E with the desired options according to the following product numbers:

ASM-24E—Controller and enclosure, communicates on a BACnet MS/TP LAN, maximum 10000 card users

ASM-24E-322—Controller and enclosure, communicates on a BACnet MS/TP LAN, maximum 2500 card users (Version 3.22 Firmware only)