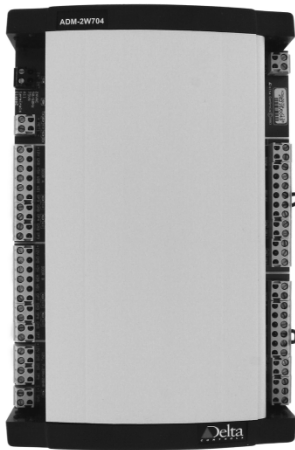


## Access 2-Door Module ADM-2W704

### Description

The ADM-2W704 is an intelligent device used for access control of two single-direction doors, or one bi-directional door. When connected to an Access System Manager (ASM) on the Delta LINKnet network, it provides remote, fully programmable, door access control and expanded I/O capabilities.



### Application

The ADM-2W704 is designed for access control of 2 single direction doors or 1 bi-directional door. Up to twelve door modules may be connected to an Access System Manager (ASM-24E) via LINKnet.

The ADM-2W704 is equipped with a built-in battery charging circuit to provide optional battery backup for the Controller, all of its peripheral equipment (i.e. Card Readers, Door strikes, and Maglocks) and the Access System Manager when the AC power fails.

All external inputs can be monitored for wiring status using EOL devices (Types 1, 2, 3, 4), which give trouble indication as well as normal and alarm conditions.

### Features

- Controls two single-direction doors or one bi-directional door
- 2 Weigand input ports per board
- Can operate under a degraded mode of operation in the event of communication failures
- Communicates on LINKnet
- Configurable Weigand card format up to 64 bits
- All external inputs can be monitored to give status of the input wiring using EOL devices (Types 1, 2, 3, 4)
- Easy-to-mount housing
- Designed for easy field wiring
- Equipped with battery charging circuit

### Specifications

#### Card Reader

2 Weigand services (card reader, keypad, biometric device, etc.)

#### Inputs

EOL supervised inputs (Types: 1, 2, 3, 4)

2 Door contacts

2 Request-to-exit switches

2 Auxiliary (i.e. tamper from Card Reader, motion detector – used in access/security, etc.)

1 Tamper switch

#### Outputs

2 Doorstrike/maglocks, Form C Relay  
5A @ 24VDC/AC, MOV protection. +12VDC @ 500mA available for each lock (lock power protected, internally wired and monitored)

4 LED driver, open-controller current sink @ 50mA, 24VDC maximum, current limited, (LED or Buzzer driver)

2 Auxiliary relays, Form C Relay  
5A @ 24 VDC/AC, MOV protection

#### Output Voltages

2 Card reader +5VDC @ 50 mA each, (0.10A total) each individually fused with a resettable fuse

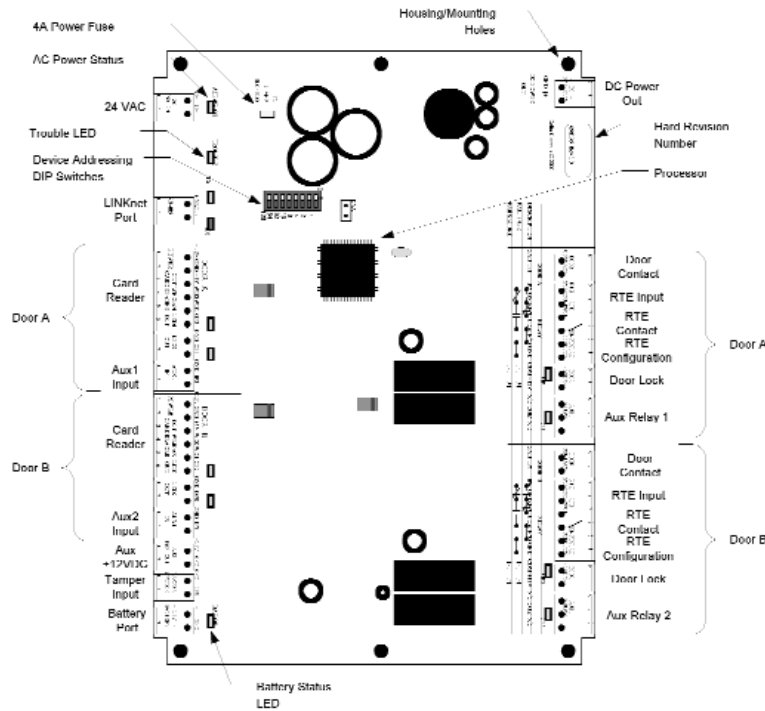
2 Card reader +12VDC @ 160mA each, (0.32A total) each individually fused with a resettable fuse

1 Auxiliary +12VDC @ 50mA, fused with a resettable fuse

1 DC Power out +10 to +15VDC @ 0.25A fused with a resettable fuse

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## Access 2-Door Module ADM-2W704: Board Layout Diagram



### Specifications (Continued)

#### Device Type

LINKnet device only

#### Communications Ports

Delta LINKnet @ 76800 bps (maximum 12 door modules per ASM-24E)

#### Device Address

Set via Address DIP switches (standard device address range: 0 to 12 on LINKnet)

#### Connectors

Removable screw-type terminal connectors

#### Wiring Class

Class 2

#### Power

24 VAC @ 75VA

Note: transformer must not be shared with any other products

#### Ambient

32° to 131°F (0° to 55°C)

10 to 90% RH (non-condensing)

#### Dimensions

5 7/8 x 9.5 x 2.5 in.  
(14.8 x 24.1 x 6.4 cm) with housing

1.49 lb. (680 g) with housing

#### Compliance

CE

FCC

#### Listings

UL294 Listed

### Accessories

SR-2400—Sentinel-Prox SR-2400 4 to 5.5 inch Read Range, Metal Compensated, Indoor/Outdoor

MM-6800—Sentinel-Prox MM-6800 6 to 8 inch Read Range, Metal Compensated, Indoor/Outdoor

SP-6820—Sentinel-Prox SP-6820 6 to 8 inch Read Range, Single Gang Box Mount

MR-1824—Sentinel-Prox MR-1824 18 to 24 inch Read Range, Dimensions Only 8" x 8" x 1", Indoor/Outdoor

MR-1824MC—Sentinel-Prox MR-1824 MC Metal Compensated Version

Prox-Linc—GR Graphics Quality, both sides, ISO Compliant

Prox-Linc—GR-Graphics Quality ISO with 3 track High-CO ABA Magnetic Stripe

Prox-Linc—CS-Clam Shell style Prox Badge, Pre-Punched in Portrait Orientation

Prox-Linc—KT-Proximity Key Tag (Key Fob)

### Ordering

Order the ADM-2W704 with the desired options according to the following product number:  
ADM-2W705 2-Door Module