



AP-DDM

Features

- 10 to 28VDC operation
- 2-wire or 4-wire RS-485 communication
- Two reader ports
- Magnetic/Wiegand/Proximity/Keypad
- Small Form Factor (4x7)
- UL Class A Supervision
- Supports up to 8 Facility Codes

Benefits

- Power Readers From Controller
- Cost Effective Installation
- Supports All Popular Reader Technologies
- Field Upgradeable
- Proven hardware meeting global standards

Scaleable Architecture

Connected to the AP Series System Processor Module (AP-SPM), the AP Series Dual Door Module (AP-DDM) provides support for 2 additional readers. The four inputs, two relays, and two reader ports provide complete control for two doors, or when used with Eclipse™ 700, if one door requires a reader on each side, three inputs and one relay are available for other tasks.

A compact 4x7 form factor allows for easy installation and requires minimal wall space. With all wire termination points on one edge, board installation options are plentiful. Traditional tile mounting, edge mounting, or rack mounting are all possible. Hardware status indicators are plentiful and allow for confirmation of proper operation without any specialized test equipment. Individual LEDs indicate the state of each input, each relay, and each reader.

All inputs allow for either normally-open and normally-closed operation. UL Class A Supervision is also a configuration option. End-of-Line resistance values are standard at 1K/1K, or a custom table can be built to accommodate any need. Relay operation can be configured to normally open or normally closed, and its five amp capacity can handle any access control requirement. Relays can be configured for fail-safe or fail-secure operation. The AP-DDM's two reader ports support magnetic stripe, Wiegand, and proximity readers. Keypads and integrated keypad readers are also supported.

Hardware interface and card format settings are configured through software. Offline functionality includes local processing of access requests based on facility code verification. Up to eight facility codes may be active in each AP-DDM.

The AP Series Dual Door Module (AP-DDM) connects to the AP Series System Processor Module (AP-SPM) and provides all necessary inputs and outputs to interface two card readers and associated door hardware.

The AP-DDM can be configured as entry/exit, entry/entry or master/slave.

AP SERIES DUAL DOOR MODULE (AP-DDM) SPECIFICATIONS

▲ TECHNICAL SPECIFICATIONS

ELECTRICAL:	Primary Power: 10-28 VDC, 225 mA (Does not include reader power current if passed through)
COMMUNICATION:	RS-485, 2 wire/4 wire (twisted pair with shield, Belden 9841) up to 4,000'
READER PORTS:	2 Reader Ports
POWER:	Unregulated pass through (current limited to 300mA for each reader)
CARD DATA:	TTL compatible (mag stripe / Wiegand), RS-485
KEYPAD:	Multiplexed with card data, 4-bit or 8-bit burst
LED:	Two-wire or one-wire bicolor support
BUZZER:	Only with 'one-wire' LED
INPUTS:	4 General purpose: programmable circuit type 2 Dedicated: tamper and power monitor
OUTPUTS:	2 Relays: Form-C, 5 A 30 VDC
MECHANICAL:	Dimensions: 4.0" W x 7.0" L x 1.0" H (102mm W x 178mm L x 25mm H)
ENVIRONMENTAL:	Temperature: 0-70° C operational, -55-85° C storage Humidity: 0 to 95% RHNC

COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems: AP-SPM

RELATED COMPONENTS:

ICM, OCM

With Eclipse 700, the AP-DDM can function as a 2 reader controller or be configured as a 4 input and 2 output controller.

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