Overview

The ODM (Over Door Module) is our PoE (Power over Ethernet) single door controller. Designed to be mounted above the door, the ODM saves time on installation, troubleshooting and cabling cost.

Features

Power Over Ethernet

Only pull a single CAT5 cable to each door to provide both power and communication

Integrated Lock Power

12V@500mA Lock Power output provides onboard power for door strikes or other devices

PIR Motion Sensor (not included with this model)

Optional PIR sensor built into the controller allows detection of users near the secure side of the door. Automatically unlock the door, or allow the door to be opened without triggering Forced Open alarm

Onboard Diagnostics

Using the LCD display and buttons on the controller, reader, output and input issues can be troubleshot. Mounting the controller above the door allows a single technician to easily diagnose issues. Diagnostics and IP programming also accessible via password/bruteforce protected web interface
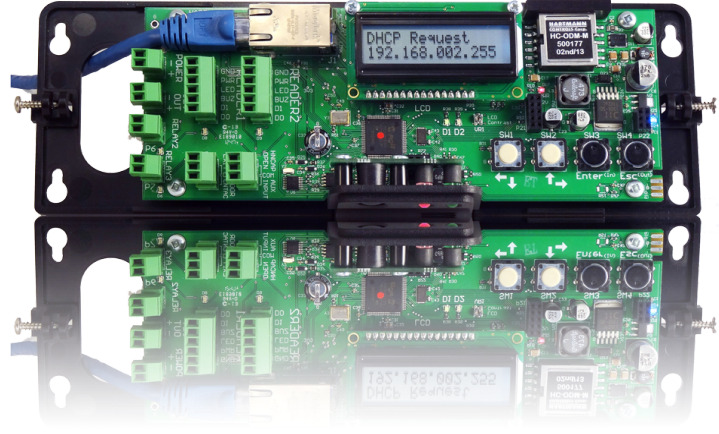
Solid State Design

Our solid state designed controllers have no moving parts to ensure reliability

Inputs

Four fully configurable inputs can be set to perform any function. Optionally can be configured as Supervised inputs using the included resistors

Outputs

Two dry contact solid state relays can switch up to 24VDC 1A

Specifications (POE-ODM-XB)

Enclosure

Black ABS enclosure, 10" x 2.2" x 3.5". Includes mounting screws and wall anchors
Optional backbox available (ODM-BACKBOX) with 6 x 3/4" conduit knockouts for concrete or brick walls

Communication

1x RJ-45 10/100Mbps Ethernet Port, PoE Standard (15.4W), 100m (328') Max Distance
Wire Spec   100m (328') Max Distance, Cat5 or better

Inputs

4x Fully configurable digital inputs. Supports supervised state with included 8x 1K Ohm resistors.
Wire Spec   152m (500') Max Distance, 2 conductor stranded 22AWG, shielded

2x Wiegand Ports
Wire Spec   152m (500') Max Distance, 6 conductors stranded not twisted, 24AWG, shielded

Outputs

1x Lock Power   Up to 12V @ 500mA
Wire Spec   152m (500') Max Distance, 2 conductors stranded 18AWG
2x Solid State Relays   Up to 24V @ 1A
1x 12V Out   12V @ 300mA
Wire Spec   152m (500') Max Distance, 2 conductors stranded 22AWG

Storage

Stores up to 100,000 cardholders. Stores up to 50,000 events, first in first out queue

Certifications

UL 294/ULC S319-05 listed, FCC

Misc

Super capacitor maintains data and time up to 1 month without power
Photo-resistive tamper sensor
Piezo buzzer
Automatic DST switch

Software

Door controller is programmed and monitored from PROTECTOR.Net server software.
Software can be hosted by Hartmann Controls, security integrator or via local/remote Windows PC/Server

Warranty

5 year pro-rated

Advanced Functions

ADA Opener Sequencing

Supports sequencing a door opener with the strike release without external logic. Flexible activation options allow you to securely control when the opener is triggered.

Alarm

Supports key-switch level alarm integration via Input/Output. Will deny entry when alarm is armed to standard users. Can arm/disarm from reader.

Mantrap/Interlock

Can connect to other controllers via Input/Output to create mantraps without external relays/logic.

Anti-Passback

Global and local APB. Configurable to be timer or reader based. Can be customized to ignore certain users and reset at a specific time.

Custom Scripts/Actions

Input, Output and Reader events can trigger server side scripts to easily meet regulatory requirements or other special circumstances/functions.

Part Numbers

Part Number	# of Doors	Motion	Color	Part Number	# of Doors	Motion	Color
POE-ODM-XB	1	No	Black	POE-TDM-XB	2	No	Black
POE-ODM-XW	1	No	White	POE-TDM-XW	2	No	White
POE-ODM-MB	1	Yes	Black	POE-TDM-MB	2	Yes	Black
POE-ODM-MW	1	Yes	White	POE-TDM-MW	2	Yes	White