PATENTED

Acenes

LOADING DOCK EAST

SECURED

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www.acenesllc.com

**General Alarm**

| | |
|---|---|
| Alarm until Door Closed | 🟢 |
| Alarm until Door Reset | ⚪ |
| Alarm until Timer Elapsed | ⚪ |
| Alarm Tone | Yelp High ▾ |
| Bypass Timer | min 12 sec |
| Door Held Timer | min 30 sec |
| Warning Timer | min 5 sec |
| Alarm Timer | 1 min 30 sec |
| Auto Un-Shunt | 🟢 |
| Auto Un-Shunt Timer | 00 hr 59 min |
| Tamper | ⚪ |
| Tamper Sensitivity | 1075 |

Save

# INTELLIGENT DOOR MANAGEMENT ALARM

The intelligent Door Management Alarm (iDMA) is an elegant device designed specifically with Security Integrators in mind. It has multi-technology capability such as Ethernet, Wi-Fi, Bluetooth, Wiegand and OSDP to support various devices and functionality.
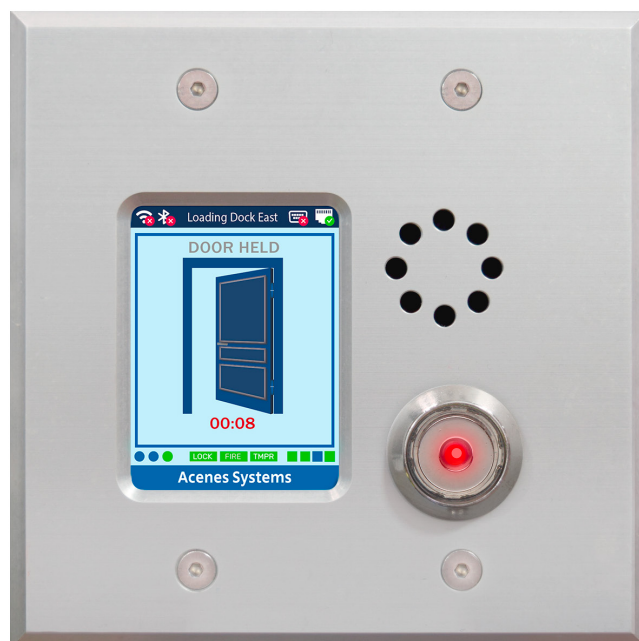
## The Intelligent Door Alarm (iDMA)

**The intelligent Door Alarm (iDMA) an innovative, flexible local door alarm controller/monitor.**

The iDMA panel is installed at any free egress emergency exit perimeter door or protected areas, to monitor, manage and alarm the door, maintain life safety code requirements while maintaining the building's security. The iDMA is suited for use in any building that requires alarmed, free-egress doors to be managed and monitored.

Using the free iDMA Bluetooth app, Integrators/Installers and Administrators can change configuration, set timers, change the display and more. When logged in as a User, one can bypass or shunt the alarm, when logged in as an Administrator one can add or delete Users without ever having to retrieve their key, card or fob.

Remote monitoring and management of the iDMA can be done from any stand-alone guard station or via interface to the building's access control system. iDMA operates from 12v-24v DC, has four programmable, supervised inputs and four programmable form "C" relay outputs. Outputs are supervised via built in selector jumpers, no need for external EOL resistor kits.

The High Res display can be configured using the BLE Mobile App to customize a logo, short alert messages and a short header & footer line.

## Features

| Bluetooth | High Res Screen | Button Key Fob | Mobile App |
|---|---|---|---|

| Configurable Branding & Text | Ethernet | Wi-fi | Audible Alerts |
|---|---|---|---|

## Door Status indicators in high resolution on a graphical display can indicate multiple door conditions

## A 2.4" Hi-Resolution TFT 224ppi graphical display

2.4"

• Door is Secured
• Authorized Exit mode
• Door Pre-Alarm with displayed timer countdown
• Door in Alarm with displayed timer countdown
• Door Held Open with displayed timer countdown
• Unit is in Programming Mode

**The customizable Graphical Display fields are:**

• Header text – such as "Loading Dock"
• Footer text – such as www.mycompany.com
• Company Logo – can be used as display background
• Timers – displays condition's Count up/down timer
• Diagnostics – inputs and outputs active/inactive status

## Mobile Application

Auto Discovery and Automatic Pairing via Bluetooth with 2 level passwords.

**Users**

• Can momentary shunt iDMA locally – such as "x seconds"
• Can shunt iDMA for a period – such as "hh:mm"
• Can silence/reset alarm locally without use of iButton or Key

**Administrator**

• View authorized user's list and fob ID numbers
• Define and program inputs, output, timers and tamper
• Enable/Disable users and Digital keys
• Add/modify display text
• Save/ Import/ Export configuration

## iButton Key Fob

Digital Keys: Each digital key has a unique ID.

Using the mobile app, digital keys can be added or deleted (lost/stolen or terminated) and be associated to a specific person. This data is maintained in the local panel iDMA memory.

## Audio

Audio: Status Reporting.

For enhanced user experience and better ADA experience, the iDMA has a built-in audio amplifier with a large library of audio files. Door's status is verbally announced.

Sample messages:

• Door Secured
• Door is in Alarm
• Door is Held Open
• Door in Shunt

FIRE EXIT

6 EXIT STAIR

FIRE

## General Specifications

**Operating Power**

12VDC-24VDC. 80ma current draw.

**Dimensions**

Standard 2 gang electrical cover plates - 4.5" x 4.5".
Standard 2 gang opening - 3.55" x 2.8".
iButton & Simple Key version fits into a standard two-gang electrical box.
Core Lock for mechanical keys fits into a standard three-gang electrical box.
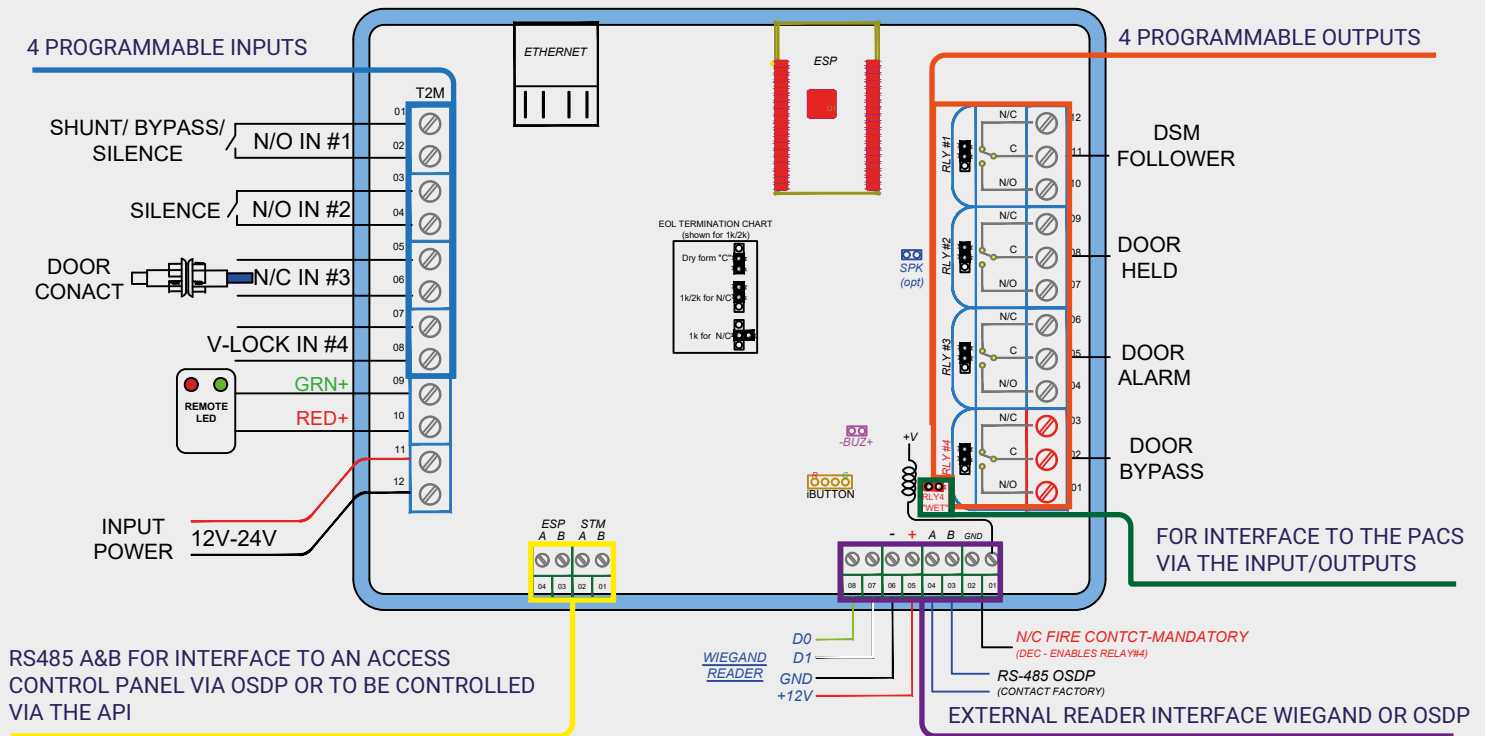
**Terminal Screws**

Removable connectors with 2 x 12 screws, 1 x 8, 1 X 4 screws and 3.5mm spacing.

**Remote Indicator**

The iDMA has built in RED and GREEN LED driver to support 16 remote plates as needed. Such indicators can be installed at guard stations or opposite the iDMA unit.

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# Rear-view of iDMA - Wiring Diagram

**4 PROGRAMMABLE INPUTS**

ETHERNET

ESP

T2M

SHUNT/ BYPASS/ SILENCE — N/O IN #1
01
02
03

SILENCE — N/O IN #2
04

DOOR CONACT — N/C IN #3
05
06
07

V-LOCK IN #4
08
09

REMOTE LED
GRN+
RED+
10
11
12

INPUT POWER — 12V-24V

EOL TERMINATION CHART
(shown for 1k/2k)
Dry form "C"
1k/2k for N/C
1k for N/C

SPK (opt)

-BUZ+

iBUTTON

+V

RLY4
WET

**4 PROGRAMMABLE OUTPUTS**

RLY #1
N/C
C
N/O
12
11
10

DSM FOLLOWER

RLY #2
N/C
C
N/O
09
08
07

DOOR HELD

RLY #3
N/C
C
N/O
06
05
04

DOOR ALARM

RLY #4
N/C
C
N/O
03
02
01

DOOR BYPASS

FOR INTERFACE TO THE PACS VIA THE INPUT/OUTPUTS

ESP
A  B

STM
A  B

04  03  02  01

-  +  A  B  GND

08  07  06  05  04  03  02  01

D0
D1
GND
+12V

WIEGAND READER

N/C FIRE CONTCT-MANDATORY
(DEC - ENABLES RELAY#4)

RS-485 OSDP
(CONTACT FACTORY)

RS485 A&B FOR INTERFACE TO AN ACCESS CONTROL PANEL VIA OSDP OR TO BE CONTROLLED VIA THE API

EXTERNAL READER INTERFACE WIEGAND OR OSDP

## Technical Specifications

### Communications

• Ethernet
• Wi-Fi
• Bluetooth enabled for management and monitoring
• RS-485 port for special applications / OEM interfaces
• Wiegand
• OSDP

### Key Types & Readers:

• iButton (Texas Instruments)
• RFID for 125Khz prox, 13.56Mhz Smart card
• Core Key (In triple gang profile only)
• Simple Key

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## Configuration Options

### iButton Reader Item #2101



### iButton Speaker Item #2103





**Simple Key Item # 2102**



**Core Key Item #2104**



FIRE EXIT