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NU2 ILDA

SECURED

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No SIM 📶   11:23 AM   ❊ 100% 🔋

☰   **General Alarm**   ○ ○ ○

Alarm until door closed   🟢

Alarm until reset   ⚪

Alarm timer   ⚪

Duration   [   ] min [   ] sec

Alarm tone   Yelp Low ›

Bypass timer   [   ] min [12] sec

Door held timer   [   ] min [30] sec
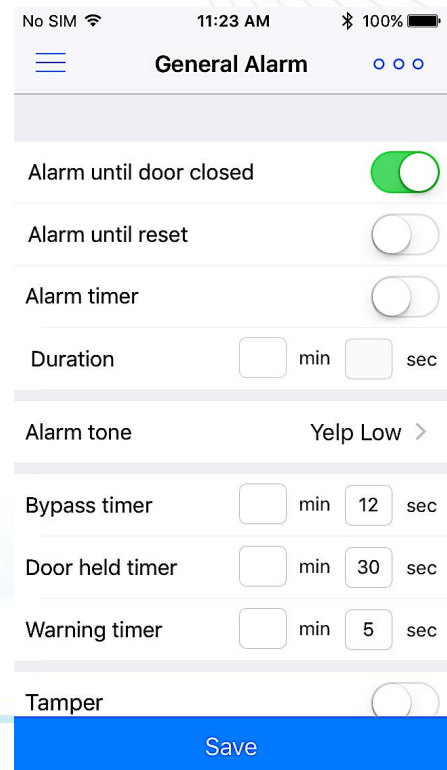
Warning timer   [   ] min [5] sec

Tamper   ⚪

Save

INTELLIGENT LOCAL DOOR ALARM

The Intelligent Local Door Alarm (iLDA) is an innovative Bluetooth enabled, flexible local door alarm controller/monitor.

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is an innovative Bluetooth enabled, flexible local door alarm controller/monitor.

The iLDA controller is installed by 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 iLDA is suited for **use in schools, hospitals, airports, daycare centers, courthouses, office complexes and any building that requires to secure, monitor and alarm non-lockable security doors.**

Via Bluetooth and using the iLDA app, installers and administrators can change configuration, timers, functionality, display etc. as well as add / delete user's digital key fob without the need to remove the unit off the wall.

Remote monitoring and management of the iLDA is done from any stand-alone guard station or via interface to the building's access control system. iLDA operates from 12v-24v AC or DC, has 5 programmable inputs and 4 programmable form C relay outputs. Outputs are supervised via built in selector jumpers for dry form C, for 1K or 1K/2K EOL supervision. No need for external EOL resistor kits.

iLDA #9900
FEATURES

Easy installation
Flexible functionality
Supervised inputs
Interface to any Access Control
Local/Remote Alarms
Heavy Duty Aluminum Panel
Built-in EOL termination
Bluetooth/ RS-485 enabled
Custom Finishes

Via use of any mobile device, the display can be further customized to show device's location, company name or logo, installing company's name, support phone numbers etc. there are total of 5 programmable lines.

Selectable inputs are: Door Status Monitor (DSM/DC), shunt, bypass, alarm reset or shunt/reset. Additionally, iLDA controller monitors door's electrified lock power (V-SENSE) and shunts the unit when door unlocks by the building's access control.

The 4 programmable outputs allow monitoring of: alarm condition, bypass status, door 'held' status and door contact 'mimic' condition. There is no need to drill for multiple DSM contacts. For certain specialized applications, the built in Fire Alarm (F/A) input automatically removes power from the 'lock' relay as well.

iLDA has dedicated outputs for remote Red/Green LEDs as well as 2.4" graphical display showing multiple door conditions such as: Door is secured, door in alarm, door is held open, door in bypass as well as multiple timers in count up/count down mode.

iLDA is available with iButton digital key fob or alternatively with 26 bit HID micro reader.

iLDA's database stores 150 digital 'keys' and their user's name. Export feature allows for quick cloning of multiple **iLDAs** without the need for data reentry. Users and digital keys can be added/removed via the mobile device. No need to duplicate and distribute traditional mechanical keys.

iLDA controller has a built in RS-485 port for either 'chaining' iLDAs or for communication with OEM products. **iLDA** 9900 uses an open architecture platform allowing for easy third-party integration and thus is highly suitable for the OEM marketplace. The **iLDA** 9900 is part of a family of integrated products that include the Intelligent Mantrap Controller (iMTC) and the Smart Power Supply (sPS-5000) and UIB/ACM.

Easy to install using distributed architecture, the iMTC is scalable from 2 to 8 protected doors. sPS-5000 is a networked or RS-485 managed power supply with built in graphic display, providing 4 managed output voltages with digital over-current breakers.

A 2.4" Hi-Resolution TFT 224ppi graphical display provides the ability to show & control:

• 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

2.4" Hi-Res Screen

In addition to the door's status the display also provides for:
• Header text – such as "Loading Dock"
• Footer text – such as www.mycompany.com
• Additional text – 3 lines to show company name, branch, floor or others
• 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 iLDA locally – such as "x seconds"
• Can shunt iLDA for a period of time – such as "hh:mm"
• Can silence/reset alarm locally without use of iButton
• View authorized user's list and fob ID numbers
Administrator
• Define and program inputs, output, timers and tamper
• Enable/Disable users and iButton fobs
• Add/modify display text
• Save/ Import/ Export configuration
Clock/Calendar
The iLDA has an accurate built in Clock/Calendar processor. Using the mobile app, events can be programmed well in advance to take place at a specific time/date. For example, the iLDA can be programmed to automatically shunt itself on "Friday, June 7th from 8AM to 5PM…".

iButton Key Fob

Each fob has a unique ID. Using the mobile app, fobs can be added or deleted (lost/stolen) and be associated to a specific person. This data is maintained in the individual iLDA's memory. No mechanical keys are needed.

Usage
Presenting the fob once will shunt the iLDA for the pre-programmed time period. Presenting the fob twice will place the iLDA in permanent bypass mode. Additional presentation returns the iLDA back to normal.
Features
• Digital key (not traditional mechanical)
• Uniquely serialized/non-duplicable
• No battery needed
• Quick add/delete via app – lost/stolen keys
• Database holds 150 fob# and user's name
iButton Reader
iLDA utilized industry standard iButton with dual color built in LED. LED color/flash rate supplement the graphical display. The reader provides needed power to the fob. As such, fob does not require a battery.

Inputs

6 programmable inputs. Mobile app selected for EOL Supervised or just NC/NO. Input's active/inactive status is shown on the display as green/blue circle-- Defaults are:

IN1 – Shunt/Bypass and/or Silence/Reset
• When in Secure Mode:
• Momentary – shunts for preprogrammed time
• Maintained – Bypass door alarm until reset
In Alarm mode
• For simplified wiring the same screw terminals can also silence/reset local alarm.
IN2 – Lock Voltage sense:
• Shunt/bypass unit on lock voltage change from normal
• Will sense any lock voltage from from 8VDC/AC to 28VDC/AC
• Supports Fail Safe or Fail Secure Locks
IN3 – NC Door Contact
• Dry or EOL supervised
• Resets unused remaining time and returns the unit back to secure mode
IN4 – Alarm Reset/Silence
IN5 – Spare
IN6 – Spare
IN9 – Reed switch Tamper:
 • Bluetooth app enabled/disabled

Outputs

Four (4) relays are available
Output's active/inactive status is shown on the display as green/blue square
• Each provides Form-C terminals
• Contacts rated @ 2A
• Individual status shown on the display
• Built-in EOL supervision of the NC relay contacts. Jumper selected NC, 1k, 1k/2k.
• For cleaner wiring - No need for external EOL resistor kit!

Default Settings are:
Relay 1 – Door Contact Mimic. In this mode RLY1 changes state to follow the door contact's status. This can be interfaced to building's access control, burglar alarm etc. There is no need to drill multiple door contacts into the door's frame.
Relay 2 – Door held Open Alarm
Relay 3 – Door Forced Open Alarm
Relay 4 – Door is in Bypass Mode

Note: These relays can connect to any stand-alone monitoring/control station or to the building's access control system for further processing.
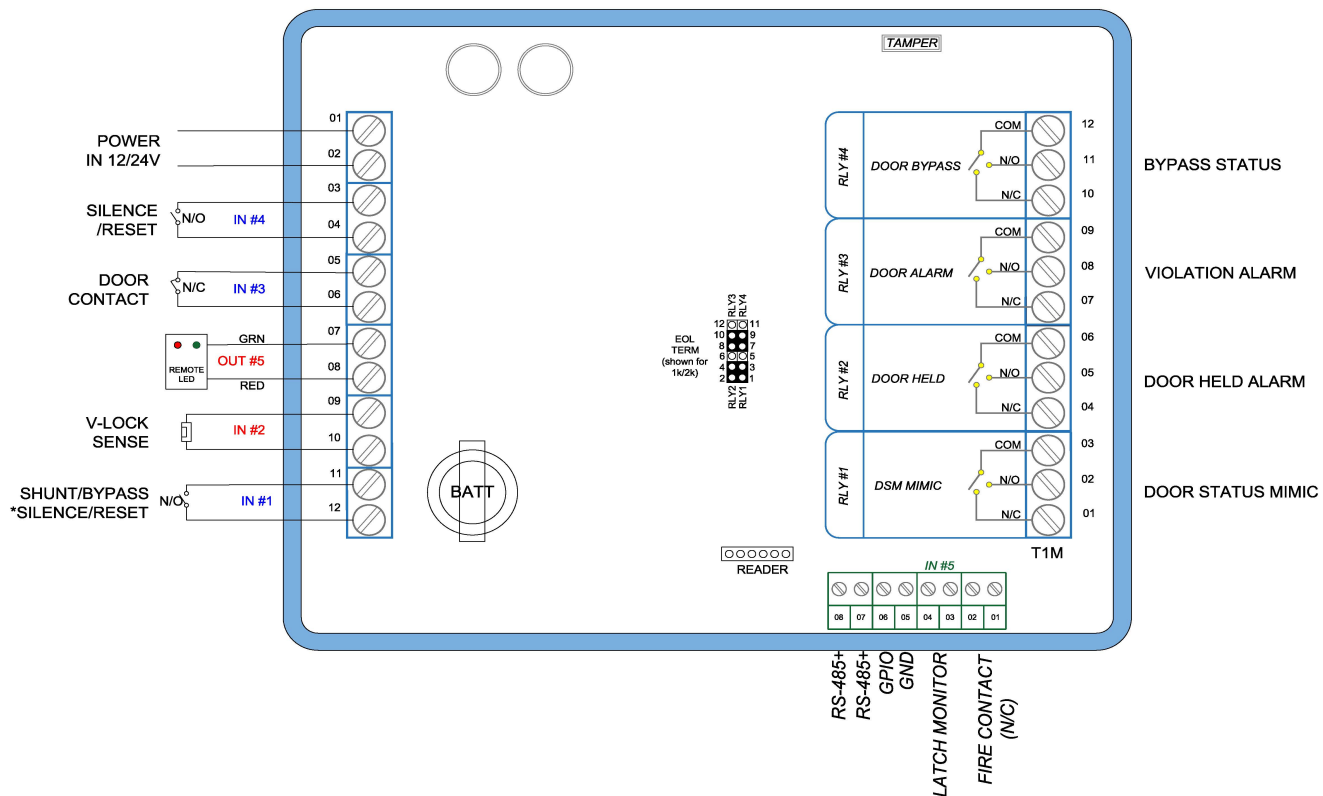
Communications

-Bluetooth enabled for management and monitoring
-RS-485 port for special applications / OEM interfaces

Custom Features

The iLDA utilizes a powerful Bluetooth enabled processor and as such can be additionally configured for countless other custom needs. Contact company for customized configurations.

Rear-view of iLDA
Wiring Diagram

POWER IN 12/24V

SILENCE /RESET — N/O — IN #4

DOOR CONTACT — N/C — IN #3

GRN
REMOTE LED — OUT #5
RED

V-LOCK SENSE — IN #2

SHUNT/BYPASS *SILENCE/RESET — N/O — IN #1

01 02 03 04 05 06 07 08 09 10 11 12

BATT

TAMPER

EOL TERM (shown for 1k/2k)
RLY2 RLY3
RLY1 RLY4
12 11 10 9 8 7 6 5 4 3 2 1

READER

IN #5
08 07 06 05 04 03 02 01

RS-485+
RS-485+
GPIO
GND
LATCH MONITOR
FIRE CONTACT (N/C)

RLY #4 — DOOR BYPASS — COM N/O N/C — 12 11 10 — BYPASS STATUS

RLY #3 — DOOR ALARM — COM N/O N/C — 09 08 07 — VIOLATION ALARM

RLY #2 — DOOR HELD — COM N/O N/C — 06 05 04 — DOOR HELD ALARM

RLY #1 — DSM MIMIC — COM N/O N/C — 03 02 01 — DOOR STATUS MIMIC

T1M

General Specifications

Operating Power
10VDC/AC to 28VDC/AC. 50ma current draw.

Dimensions
Fits into a standard 2 gang electrical box, no need for extra deep or wide box.

Terminal Screws
Removable connectors with 2 x 12 screws, 1 x 8 screws and 3.5mm spacing.

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

Programming
Via Bluetooth, using the iLDA app installers and administrators can change configuration, timers, functionality etc as well as add/delete user's key fob without the need to remove the unit off the wall.

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