INTELLIGENT LOCAL DOOR ALARM iLDA #9900

- Easy installation
- Flexible functionality
- Supervised inputs
- Interface to any access control
- Bluetooth enabled
- Local/Remote
- Built in EOL termination
- Fire alarm interface
- Heavy-duty aluminum
- RS-485 communication

2.4" Hi-Res Screen

Digital Key Fob

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

The iLDA device is typically installed by a free egress emergency exit perimeter door, and/or protected areas to conform with life safety codes while maintaining building's security. The iLDA is suited for use in schools, hospitals, airports, daycare centers, courthouses, office buildings and all others seeking to secure non-lockable security doors.

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. Remote monitoring and management of the iLDA is done from any stand-alone guard station or via the building's access control system.

Programming of the iLDA is from any mobile device. The iLDA can be configured and connected seamless to any access control or PLC system. The iLDA can be controlled via a Digital iButton key fob, via Mobile Bluetooth device and/or from a remote location/access control system.

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 Intelligent Power Supply (iPS).

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

For more information on other highly sophisticated products please visit our website - deltrexusa.com.

The iButton digital key fob allows for local ingress/egress for authorized staff.

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Technical Specifications - #9900 Intelligent Local Door Alarm (iLDA)

Display

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

In addition to the door's status the display also provides for:
· Header text – such as "Loading Dock"
· Footer text – such as www.mycomany.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

Mobile Application & Communications

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

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 a built in Clock/Calendar processor that is accurate to 1 minute/year. 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…".

Communications
· RS-485 for multi-unit connection.

iButton Digital 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.

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 60 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 – Defaults are:

IN1 – Shunt/Bypass and/or Silence/Reset
· When in Secure Mode:
· Momentary – shunts for preprogrammed time
· Maintained – Bypass door alarm while maintained

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 3VDC/AC to 28VDC/AC
· Supports Fail Safe or Fail Secure Locks
· Jumper selected to convert IN2 from voltage sensor to standard, non-supervised, NC input contact

IN3 – NC Door Contact
· Can be EOL supervised or not
· Signals completion of valid shunt.
· Resets unused remaining time and returns the unit back to secure mode

IN4 – Alarm Reset/Silence
IN5 – GPIO
IN6 – Fire alarm (N/C)
IN9 – Reed switch Tamper:
· Bluetooth app enabled/disabled

Outputs

4 relays are available
· Each provides Form-C terminals
· Contacts rated @ 2A
· Individual status LED included
· 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. This can be fed 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.

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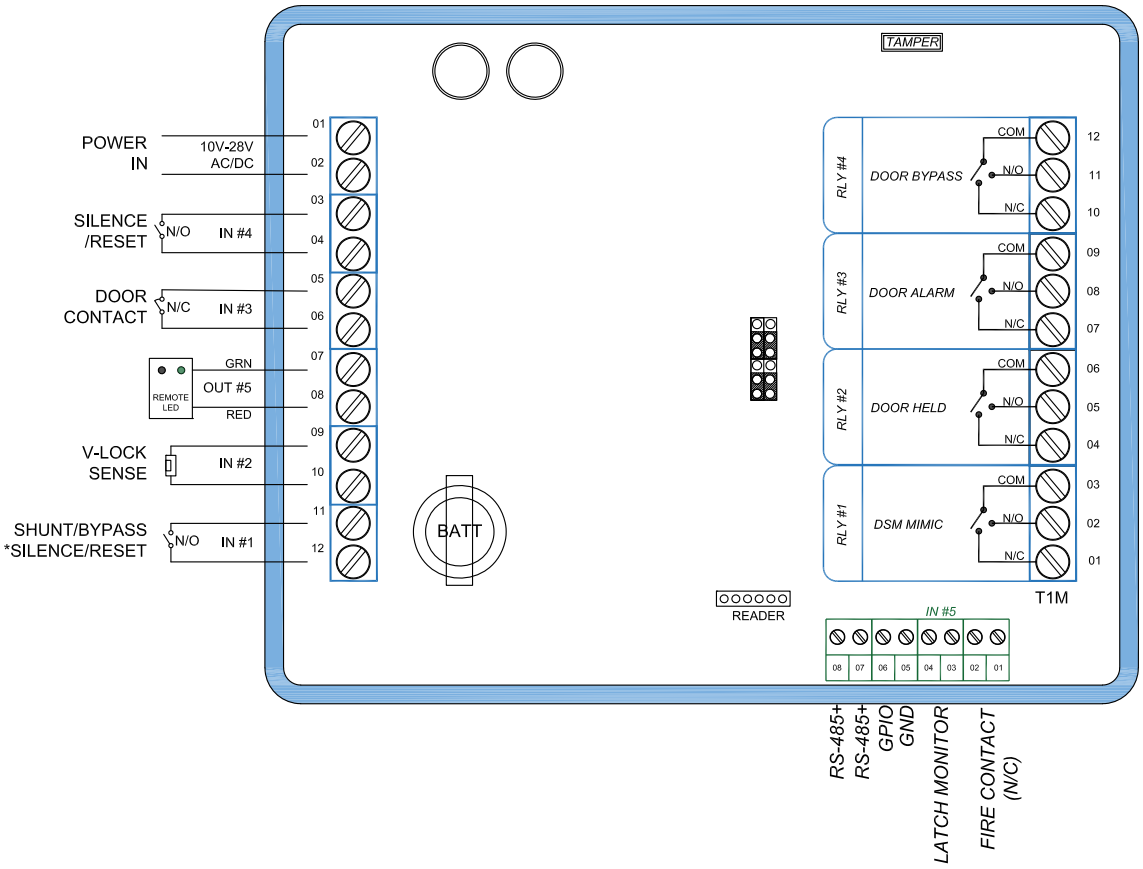
Custom Features

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

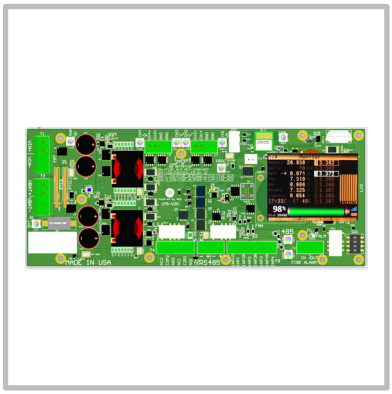
General Specifications

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.
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.
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.
Terminal Screws	Removable connectors with 2 x 12 screws, 1 x 8 screws and 3.5mm spacing
Inputs	4 + 3
Inputs - Lock Sense	3VDC - 32VDC
Outputs	4 + 2
Outputs Supervision	NC, 1k, 1k/2k

Rear-view of iLDA

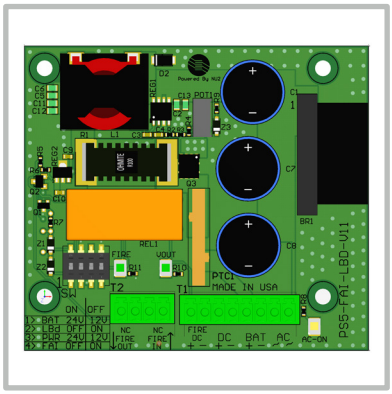


More Intelligent Products



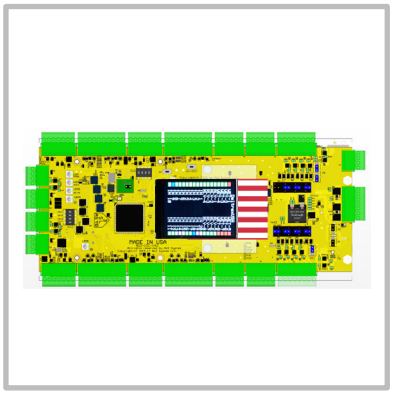
Intelligent Power Supply (iPS)

Incorporating high-quality components, this 4 channel power supply is managed via smart-phone application and additional controls are made possible by its RS485 and ethernet communication ports. Voltage can be adjusted in each of its 4 channels. Digital display with voltages/ current indications, status LEDs as well as digital overcurrent circuit breakers, fire alarm interface and low battery cut off are built in. The intelligent design is open architecture, OSDP compliant.



5 AMP Power Supply (PS5)

This regulated switching power supply provides 12VDC or 24VDC output rated at 5Amp. Status LEDs, digital overcurrent circuit breakers, fire alarm interface and low battery cut off are built in.



Multi-Door Controller (MDC-8)

Web enabled access control for 4/8 doors per controller and an architecture of 256 doors per node. 8 programmable wet outputs - 12V/24V and fail safe/fail secure, 8 form C relays, 20 supervised inputs, 4 OSDP RS-485 communication ports as well as graphical display with roughly hundred displayed parameters, status LEDs, digital overcurrent circuit breakers and fire alarm interface are built in. Built in web software allows management via standard browser. No need for a host server.

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