



IK-INC2 - INCEPTION KIT 2 WIEGAND READY - DATASHEET

Overview

The Inception Kit IK-INC2 has been put together to aid security installers. The Inception controller has everything you require for a powerful security system that brings together intruder detection, access control, and automation with one easy to use web based hardware solution. The EliteX LCD keypad is an elegantly designed terminal that features a clear and easy to read OLED display. The keypad's 8 indicator LEDs feature programmable brightness and can display the real-time status of the security system. The controller features eight universal inputs to connect intruder detection devices and there are four universal relay outputs which can be configured to control door locks, strobe lights, siren screamers or automation devices. The kit includes a 12V 7.0Ah high quality SLA battery and a low-profile enclosure supplied with a tamper switch and bracket to accommodate a fully enclosed, secured installation. This kit also features two Wiegand to OSDP converters to connect two Wiegand based RFID readers to the Inception. Using the web interface installation, end user control is as simple as connecting a network cable to Inception (or use of the optional WiFi adapter) and using any web browser to navigate to Inception's web pages. For expansion, the Inception offers an RS-485 OSDP reader bus, for up to 8 SIFER smart card readers to be connected directly to the controller and an RS-485 LAN expansion port to connect external expansion modules.

Features

Inception Controller

- Built-in web interface
- 8 x universal zone inputs - expandable up to 512
- 4 x auxiliary relay outputs - expandable up to 512
- Manage up to 4 doors with the controller - expandable up to 128
- Manage up to 32 lift cars and 96 lift buttons
- Connect up to 8 SIFER readers to the controller - expandable up to 256
- Connect up to 64 Wiegand readers via SLAM's on the RS-485 LAN
- RJ45 - 10/100 ethernet port
- RS-485 sub-LAN port
- RS-485 reader-LAN port
- USB port for connection of WiFi adapter & T4000 alarm communicator
- Supports 10,000 users (firmware 2.0.0+)

Low Profile Enclosure

- Cabinet dimensions: 252 (L) x 358 (W) x 85 (D) mm
- Tamper switch and bracket included
- Conduit access is provided by "punch out" holes in the top and bottom of the enclosure

EliteX Keypad

- Clear and easy to read 2-line OLED display
- Programmable backlight brightness suitable for bright or low-light environments
- Stylishly designed slimline surface mount with neutral colours that will look great in any environment
- Backlit rubberised keypad provides a user-friendly tactile feel
- Eight LEDs provide area status, door functions, alarms and other conditions via programming options
- Instant help text available anytime, at the press of a key
- Four 'arrow' keys provide quick and convenient access to menu options
- Zone inputs and auxiliary outputs provided for connection of local I/O devices
- Programmable panic key and duress option
- Built-in module locater buzzer
- Tamper monitored housing
- Compatible with Integriti, Inception & Concept 4000 systems

OSDP Converter Features

- Convert data from a Wiegand reader to Inner Range SIFER data for an Inception reader port
- Convert data from an Inner Range SIFER reader to Wiegand data for a Wiegand reader input



Kit Components

| | |
|--------------------|-------------------------------------|
| IR-996300AU | Inception Controller with Plug Pack |
| IR-995200 | Low Profile Enclosure |
| IR-995400 | EliteX Keypad |
| IR-994200 | 2 x OSDP Converters |
| CSD-1200 | 12V 7.0Ah High Quality SLA Battery |

Additional Information

| | |
|---------------------|-----------|
| Warranty | Two Years |
| Availability | Oct 2017 |

Expansion Module Compatibility

| Module / Device Description | Part Number | Compatible |
|------------------------------------|-------------------|------------|
| 8 Input LAN Expander (UniBus Host) | 996005PCB&K | ✓ |
| UniBus 8 Input Expander | 996500PCB&K | ✓ |
| UniBus 8 Relay Expander | 996515PCB&K | ✓ |
| UniBus Lift Interface | 996540PCB&K | ✓ |
| Standard LAN Access Module (SLAM) | 996012PCB&K | ✓ |
| Paradox RF Expander | 995025 | ✓ |
| Inovonics RF Expander | 996008 | ✓ |
| EliteX Keypad | 995400 | ✓ |
| Original Elite Keypad | 995000U | ✓ |
| SIFER Smart Card Reader | 994720 / 994720MF | ✓ |
| SIFER Keypad / Smart Card Reader | 994725 / 994725MF | ✓ |
| OSDP<->Wiegand Converter | 994200 | ✓ |
| T4000 3G Alarm Communicator | 998530LT / 998530 | ✓ |
| LAN Over Ethernet Device (CLOE) | 995093 | ✓ |
| LAN Isolator | 995080 | ✓ |
| Fibre Modem (Single or Multi Mode) | 995081 / 995087 | ✓ |

System Capacities

| | On-board Inception Controller | With LAN Expansion |
|------------------------|-------------------------------|--------------------|
| Doors | 4* | 128 |
| SIFER Readers | 8 | 256 |
| Wiegand Readers | 8** | 128/256*** |
| Areas | 32 | 32 |
| Inputs | 8 | 512 |
| Outputs | 4* | 512 |
| Lift Cars | 32 | 32 |
| Users | 10,000 | 10,000 |

*The Inception controller has 4 relay outputs in total. These can be used as lock relays for doors or general purpose dry contact outputs

** Via 8 OSDP <-> Wiegand converters

*** 256 Wiegand readers requires a combination of OSDP <-> Wiegand converters and 127 Standard LAN Access Modules.



Multipath-IP T4000

Connect the T4000 to Inception's USB port for 3G wireless IP alarm transmission



IP-Alarms over Ethernet

Use Inception's Ethernet port to send IP alarms to Multipath-IP equipped monitoring stations



8 Universal Inputs

Monitor a mix of EOL devices, buttons, switches or doors

Inception with LAN Expansion Modules



4 Universal Relay Outputs
Outputs are truly universal. Control door locks, connect alarm sounders or switch automation controls and external devices



RS-485 Reader Port

Connect up to 8 SIFER readers, or 8 Wiegand readers via OSDP <-> Wiegand converters, for In & Out access for door locks connected directly to the controller

RS-485 LAN Expansion

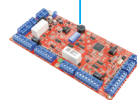
Add RS-485 LAN modules & Keypads to Inception to increase the system capacity up to 32 doors, 64 readers, 512 inputs & 512 outputs



RF Expander



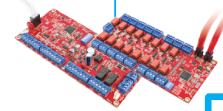
8 Input/Output Expander (UniBus Host)



Standard LAN Access Modules (SLAM)



Elite Keypads



Lift Integration



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