inception
WEB POWERED SECURITY

IK-INC4 - INCEPTION KIT 4 WIEGAND READY - DATASHEET

Overview

The Inception Kit 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. Eight universal inputs are provided 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

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-994200	2 x OSDP Converters
CSD-1200	12V 7.0Ah High Quality SLA Battery

Additional Information

Warranty	Two Years
Availability	Oct 2017

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.

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	✔

Inception with LAN Expansion 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

4 Universal Relay Outputs
Outputs are truly universal. Control door locks, connect alarm sounders or switch automation controls and external devices
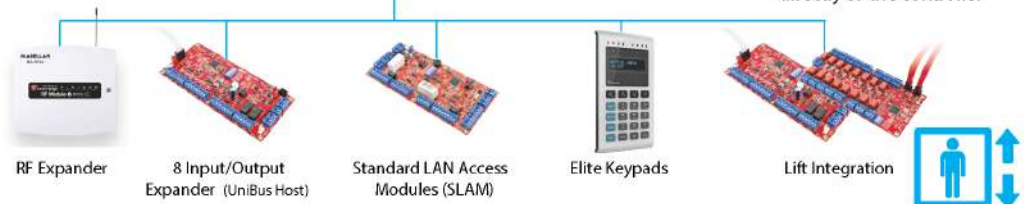
RS-485 Reader Port
Connect up to 8 SIFER readers, or 8 Wiegand readers via OSDP <> Wiegand converters, for In & Out access for door locks connected directly to the controller

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