KES-I-CD Cash Drawer Controller

A X E Z E

RFID Access Control Products

Overview

The Axeze KES-I-CD is a variation of the very reliable KES-I reader/controller designed especially for connection to 12V cash drawers. It is compatible with the Axeze KEP, KEN and KES ranges in that it works with AT-C-01 cards and WB-06, WB-08 and WB-S-G-01 wristbands. The Block Check Character is passed to the controller with the tag number and is stored in the database and as a result accuracy is guaranteed. The reader ignores copies of enrolled transponders. The controller has the antenna built in to it making installation a breeze. The unit is supplied with 1 Amp SMPS already plugged into the controller and the cable is restrained inside the housing. The special cable for connection to the cash drawer is also plugged in and restrained inside the housing further adding to reliability and easy installation.

Components supplied in kit:

Reader/controller assembly	KES-I-CD
Master Programming Card	MPC

Optional Components

Battery backup	ABC-01
Card transponder	AT-C-01
Keyfob	AT-KF-01
Leather Wristband transponders	WB-06, WB-08
Silicone Wristband Transponders	WB-S-G-01

Physical Specifications

Colour:	Soft Grey
Case Dimensions	110mm x 74mm x 18mm
Mountings	2 slots at 84mm centers
Weight	410g (Includes plug pack and packaging)

LED Indicators

Flashing Red:	Interrogating mode
Solid Red	Programming mode
Solid Yellow	Invalid card in range
Solid Green	Valid card in range
Sounder	Strike energized

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The above specifications are subject to change without notice

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Electrical Specifications

Tx Frequency	134.2KHz AM
Rx Frequency	134.2 –123.2.KHz FSK
Tag Identification number size	16^{16} (18,446,744,073,709,5511,616)
Block Check Character size	4^{16} (4,294,967,296)
Read Range:	Card 180mm Key
	Fob 100mm (AAA)
Voltage	12V 1A Regulated (SMPS)
Current	70 mA (average)
Output	1 Amp / 500mS output pulse
Fuse	1.5A
Strike output	+12v at 2A max (Diode protected)
Relay rating	1 set NO-NC contacts 30V/1A
Non volatile Storage	400 Transponders

Programming

Master Programming Card (MPC)
> This is used to add new tags without a PC.
> It can also clear controller memory.

KEMS software
> Enables full management of the database. Delete individual tags. Store names of users.
> Create new MPC. Select REX or Door Sense.

Links

LK1	Micro Controller Power (Only removed for firmware changes)
LK2	Not fitted
LK3	Not fitted

Connectors

J1 (Power)
1. 12VDC
2. + GND

J2 (Strike/Door Sense)
1. GND
2. Strike +
3. Door Sense or REX
4. GND

J3 (Relay)
1. Relay NO
2. Relay COM

J3 Cont
3. Relay NC
4. Reserved
5. Reserved
6. GND

J5 (Programmer)
1. Vpp
2. Vpp
3. Rx
4. Tx
5. KEY
6. GND
7. +5V
8. Vdd

EMC Compliance

Australian Communications Authority C-Tick (Supplier's Code N2090)
Complies with:
AS/NZS4268.1: 1996
EN300-330
EN300-683