

# 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      |

Axeze Pty. Ltd. ABN 83 077 328 851  
 85-91 South Road, Thebarton, South Australia 5031  
 +61 8 83521608 ph +61 8 83521623 fax sales@axeze.com.au www.axeze.com.au  
 The above specifications are subject to change without notice

## Electrical Specifications

|                                |  |
|--------------------------------|--|
| Tx Frequency                   | 134.2KHz AM                                    |
| Rx Frequency                   | 134.2 –123.2.KHz FSK                           |
| Tag Identification number size | 16 <sup>16</sup> (18,446,744,073,709,5511,616) |
| Block Check Character size     | 4 <sup>16</sup> (4,294,967,296)                |
| Read Range:                    | Card 180mm Key<br>Fob 100mm (AAA)              |
| Voltage                        | 12V 1A Regulated (SMPS)                        |
| Current                        | 70 mA (average)                                |
| Output                         | 1 A mp / 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

|   |                    |                    |                  |
|---|--------------------|--------------------|------------------|
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