KEYKING LONG RANGE READER

6688LE

Extended Range Reader

Section1 Introduction

Section2 Features

Section3 Specification

Section4 Interface

Section5 Trouble Shooting

1. Introduction

The KEYKING LONG RANGE READER is a low cost and high performance proximity reader for reading ID code from em4100 compatible read-only tags. The KEYKING LONG RANGE READER reader's features an extended reading range up to 1000mm. It is ideally suited to be applied in automatic parking system, personal identification, access control and production control systems etc.

2. Features

- High sensitivity and reliable performance;
- Built-in transceiver antenna for maximum performance;
- Maximum effective distance up to 1000mm;
- Less than 100ms decoding time;
- Low power dissipation with single power supply;
- Multiple output format optional;
- Built-in buzzer;
- Built-in external LED controls;
- Potted for environmental protection.

3. Specifications

Power Requirements +12Volts linear regulated DC at 200mA typical, 250mA max.

Interface Weigand or other optional

Typical Maximum Read Ranger range 1000mm with ISO card

In ideal conditions

Frequency 125KHz typical

Dimensions 23.5*23.8*3.8 cm

Transponder Read Only

Audio/visual Indication Buzzer output with external
LED control

4. Interface

Color	Description
Red	+12VDC
Black	GND
Green	DATA0
White	DATA1
Brown	HOLD
Yellow	External LED control (Internal 2K pulled-up)

5. Trouble Shooting

When powered up, the KEYKING LONG RANGE READER takes a self-test to ensure the best reading performance with the buzzer beeping continually. When the self-test ends, the buzzer will give out a long beep and the KEYKING LONG RANGE READER enter the normal working mode. If the buzzer continues beeping without stop for a long time, please turn off the power and check out the environment and power supply to ensure locating the KEYKING LONG RANGE READER in a good working condition. In case of problems the following procedure should be followed:

Failure to finish self-test with the buzzer beeping continually or with a short reading distance

1) Turn off the power to the KEYKING LONG RANGE READER;

2) Check the power input connections making sure that they are not reversed;

3) Check the power supply complying with the specification;

4) If the supply has a current limit, set this to 350mA;

5) Make sure to install the KEYKING LONG RANGE READER in a environment without large area conductors nearby or mounting on a conductive surface. In self-test state, do not apply any tags in KEYKING LONG RANGE READER's functional area;

6) Try to change the installment of the KEYKING LONG RANGE READER to another place to check if the trouble still exists;