

# CR-2000

WATERPROOF WIEGAND CARD READER / KEYPAD

## Applications

The CR-2000 is an inductive contact-less card reader in a metal water proof housing that also acts as a keypad control. The CR-2000 provides safe secure access control for any combination of 2000 users by the use of the Mifare pass card or individual user pass codes.

The CR-2000 has low power consumption (30mA standby) luminous keypad for nighttime use, Short circuit protection, tamper alarm output, and the Wiegand output for monitoring of user access.

The CR-2000 may also be used stand alone for access control of doors, gate and barrier arms.

# CR2000



**EMX**

INDUSTRIES

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## Features

- Low 30 mA standby current
- Luminous keypad: for nighttime operation
- 2000 user support
- Independent password support (may use code or card for access)
- Keypad user delete (for lost or stolen cards or codes)
- Output short circuit protection
- Wiegand output: Wg26 for cards or Wg4 for keypad
- Tamper alarm output
- Doorbell button: Independent from circuit works with any doorbell
- User pass card code change (allows user to use code they can remember in case card is lost or forgotten)



## Accessories



CARX-20 Accessory  
Access Card

## Technical Data

<b>Operating Voltage</b>	9-28 VDC
<b>Current draw standby</b>	< / = 30 mA
<b>Read range</b>	1.1 in (3cm) – 3.1in (8cm)
<b>Capacity (users)</b>	2000 card and or pass codes
<b>Operating Temperature</b>	-13°F (-25°C) to 140°F (60°C)
<b>Operating Humidity</b>	10% ~ 90%
<b>Electric Lock output</b>	< / = 3A
<b>Alarm output</b>	< / = 20A
<b>Short circuit protection time</b>	< / = 100 $\mu$ S
<b>Activation time</b>	0 ~ 99 seconds (adjustable)
<b>Size</b>	4.74in (120mm) x 2.2in (56mm) x 0.71in (18mm)
<b>Weight</b>	1.62 lbs.

## Ordering Information

- CR-2000 Waterproof Wiegand Card Reader / Keypad
- CARX-20 Accessory Access Card Mifare 26 bit Wiegand Format

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 1.0 04/01/2013