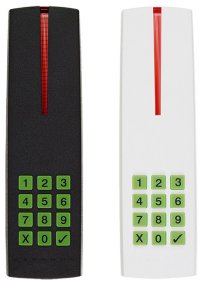
R915-EI00



# R915
# 4-Wire Sealed Indoor/Outdoor Proximity Reader and Keypad

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## Introduction

The R915 is a weatherproof 4-wire proximity card reader with a built-in backlit 12-button keypad for PIN entry. The R915 is compatible with any Digiplex or EVO control panel and is connected to a ACM12 using only 4 wires to facilitate installation.

### Keypad

This reader can use both the Card and PIN functions. However, the PIN must be entered after the card is scanned if Card and PIN is enabled. You can also use the Card Only, PIN Only or Card or PIN settings, which are set in the ACM12. PIN settings are only available with ACM12 V4.0 or higher. The X key is used to cancel a PIN entry, the ✓ key is used when using Flexible Code Length and entering a code shorter than 6 digits.

### Arming and Disarming

It is currently possible to arm and disarm the system if the proper options are enabled in the User and door's settings. Refer to your EVO programming guide for additional information.

### Tricolour LED Display

The reader includes a tricolour LED display (red, green and amber) that is used to indicate system status as shown in the LED display table.

### Audible Tone

The reader includes a built in beeper.

### Weather Resistant

The rubber gasket and plastic PCB cover allows you to mount your R915 indoors or outdoors.

### Technical Specifications

| | |
|---|---|
| Compatibility | Card/PIN: ACM12 version 4.0 or higher |
| Power Input: | 11Vdc to 14.5Vdc |
| Current Consumption | 60mA |
| Frequency: | Exciter field 125 KHz Pulse Modulated |
| Operating Temperature: | -35°C (-31°F) to +65°C (149°F) |
| Operating Relative Humidity: | 0 -90% |
| Output Formats: | 4-wire (RS-485) |
| Cable Distance: | 300m (1000 ft.) |
| Cables: | 4-wire Cables (Twisted Pair recommended) |
| Color: | Available in black, white and silver |
| Weather Proofing | Rubber Gasket and Plastic PCB cover. |

All specifications are subject to change without notice.

## Installation

### Mounting

Mount the reader on a clean, flat and even surface to avoid bending the plastic casing. Once mounted, properly seal the reader's contour to avoid possible water infiltration.

**It is highly recommended to mount the reader on a flat, even surface, thereby making it less vulnerable to weather damage. If mounting on an uneven surface is absolutely necessary, ensure that all gaps between the reader and surface are properly sealed.**

### Mounting on Metal

Metal may decrease the read range. The card reader can be mounted on metal but do not surround it by metal. If the reader must be installed in a metal enclosure, ensure that the face of the card reader is not covered and that there is at least 4cm (1.6") between the card reader and the metal on all sides.

### Connection

Connect the R915 as shown in Figure 1.

## Status Display

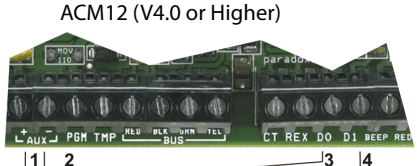
| | Status | Visual Indicators* | | | Audible Tone |
|---|---|---|---|---|---|
| | | Green | Red | Amber | |
| Access | Wait for PIN entry | Slow Flash | - | - | - |
| | Read Card | - | - | On when reading | Fast Beep |
| | Access Denied | - | Fast Flash | - | Long Beep |
| | Access Granted | On | - | - | Fast Beep |
| | Door Unlocked | On | - | - | - |
| | Door Locked | - | On | - | - |
| | Door Left Open Pre-Alarm | - | Flash | - | Beep |
| | Door Left/ Forced Open | - | Fast Flash | - | Fast Beep |
| Security | Fire Alarm | - | Pulsed | - | Pulsed |
| | Burglary Alarm | - | Flash | - | Beep |
| | Armed | - | Fast Flash | - | |
| | Exit Delay | - | Flash† | - | Beep† |
| Trouble shooting | Fail to Com. | Slow Alternating Flash | | - | - |
| | Safe Mode | Alternating Flash with Pause | | - | - |
| | Lost Communication with ACM11 | - | - | Slow Flash | - |
| | Locate | Fast Flash | - | - | - |

* Certain displays can be enabled or disabled with the ACM12.
†Faster in the last 10 seconds of the exit delay

| Visual Indicators | Details |
|---|---|
| Flash | 250 ms ON; 250 ms OFF |
| Slow Flash | 400 ms ON; 400 ms OFF |
| Fast Flash | 50 ms ON; 50 ms OFF |

**Figure 1: Connecting the R915**

ACM12 (V4.0 or Higher)




**Extra wire should be placed in the bottom of the reader and not at the same level as the antenna**

**Do not connect more than one reader on a single ACM12.**

Connect
RED to (+)
BLK to (-)
GRN to (D0)
YEL to (D1)

R915

**FCC and Industry Canada Compliance Statement**

This device complies with FCC Rules Part 15 and with Industry Canada license exempt RSS standard(s). Operation is subject to two conditions:

- This device may not cause harmful interference.
- This device must accept any interference that may be received or that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- L'appareil ne doit pas produire de brouillage, et
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

FCC ID: KDYR915

IC: 2438A-R915

**FCC NOTE**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Paradox Security Systems Ltd.) could void the user's authority to operate the equipment.

**Warranty**

For complete warranty information on this product please refer to the Limited Warranty Statement found on the website www.paradox.com/terms. Your use of the Paradox product signifies your acceptance of all warranty terms and conditions.

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