

# Motorola™ Compatible Proximity Reader

## Model MCR-403 *InStar* Proximity Reader

- Reads Motorola 26-Bit Wiegand ASP formatted proximity cards and tags
- Significantly lower cost than competing Motorola readers
- Can be fitted with Motorola Linear, Arch, Curve and Wave doorframe and wall switch covers
- Wiegand output for compatibility with any access system
- Small, attractive, single piece package



The MCR-403 *InStar*™ proximity reader is a new access control proximity reader from Keri Systems designed to provide compatibility with Motorola's ASP line of proximity readers, cards and tags.

The MCR-403 is intended to read Motorola cards and tags coded with Motorola's standard ASP 26-Bit Wiegand format, including their ASC-121T card, ISO-30 card and ASK-116 key tag. Attractive on its own, the unique size and shape of the MCR-403 allows it to be fitted with any of the Motorola Linear, Arch, Curve and Wave doorframe and wall switch covers, allowing it to blend seamlessly into existing installations as well.

Designed to mount directly to metal doorframes (mullions) or single-gang wall switch boxes (using a Motorola single gang wall switch cover), the MCR-403 is ideal for any location requiring a compact, single piece OEM proximity reader. Delivering read ranges of up to 4 inches (10 cm), it operates from 5 to 14 VDC allowing for flexibility in the use of power supplies. The reader can be used with virtually any manufacturer's access control system because it produces an industry standard Wiegand output. The electronics are fully potted, enhancing the reader's vandal resistance, as well as making it appropriate for both indoor and outdoor installations.

The MCR-403 is small, with dimensions of 4 x 1.5 x 0.63 inches (10 x 3.8 x 1.6 cm). It includes all the key features required for today's projects, such as a four-state LED, audio tone, start-up self check, data line test and Beep-n-Flash™. And like all proximity readers from Keri Systems, the MCR-403 is backed by a lifetime warranty.

**DATA SHEET**

**Motorola Compatible  
Proximity Reader**



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# Motorola™ Compatible Proximity Readers

## Model MCR-403 InStar Proximity Reader

### Specifications

#### Size

4 x 1.5 x 0.63 inches (10x3.8x1.6 cm)

#### Weight

4 oz. (113 g)

#### Read Range\*

up to 4 inches (10 cm)

#### Input Voltage

+5-14 VDC

#### Current Draw

95 mA typical

#### Operating Temperature

-40°C to +65°C

#### LED Indicator

Four State Standard (Red, Green, Amber & off)

#### Audio Tone

Standard

#### Formats

26-Bit Wiegand, Industry Standard

#### Frequency

125 KHz excitation

#### Colors

Black. Additionally can be fitted with any of the Motorola Linear, Arch, Curve and Wave doorframe and wall switch covers (bezels).

#### Card Compatibility†

Motorola ASP 26-bit Wiegand formatted ASC-121T, ISO-30 & ASK-116 (Card Format Number 40134)

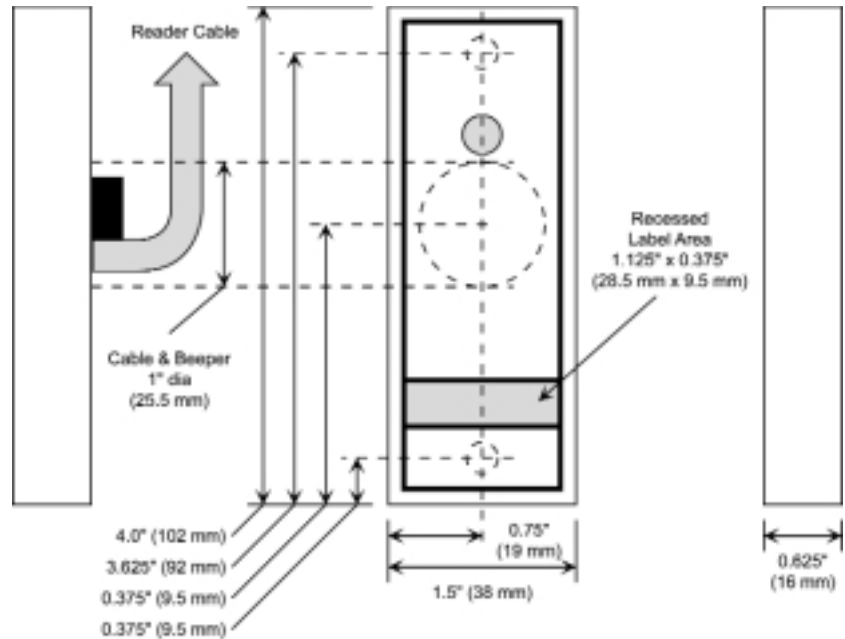
Keri KC-26X, MT-26X & PKT-26X

#### Warranty

The MCR-403 carries a limited lifetime warranty against defects in materials and workmanship.

P/N: 01890-012 Rev. A

### MCR-403



\* Read range is stated in a clean RF and electrical environment using Motorola's ASC-121T Proximity Card presented parallel to reader surface with reader operating at 12 VDC. Range is less for ISO-30 and ASK-116, and with reader operating at 5 VDC.

† The MCR-403 is intended for use with Motorola's 26-bit Wiegand ASP formatted credentials, as well as Keri's -26X formatted credentials. Like Motorola's ASP readers, the MCR-403 can read Motorola credentials programmed with ASP formats other than 26-bit Wiegand, as well as Keri's credentials programmed with the -10X format, though it will only transmit 26-bits of credential data. As with Motorola, duplication is possible in this scenario. The MCR-403 will not read Motorola's credentials programmed with the ASP+, ESP or ECR format structures. Nor will it read Keri's Pyramid Series Proximity credentials.

Specifications subject to change without notice.  
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Presented By:



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