

Keri MS Proximity Readers

Data Sheet



Key Features

Sleek Attractive Packages

Ultra Thin Profiles

Better Read Range Performance
Than Competing Products
of Similar Size

Mullion Reader Available - Fits
smaller door frames

MS-3000/-5000/-7000 Readers

Keri's MS Series Proximity Readers are designed to blend aesthetics, read range performance, and small package size with an extremely thin profile into a product that is priced significantly less than competing proximity readers. The readers are for use exclusively with Keri's access control system based on the PXL-500 Tiger and the NXT-2D and NXT-4D Controllers.

The smallest readers in the series are the MS-3000™ Reader and the MS-5000™ Reader. The MS-3000 reader measures just 3.4" long x 1.4" wide x 0.38" thick (86mm x 36mm x 10mm) thick and is designed to mount on a metal window or door frame (mullion) or directly on a wall. Read range is up to 4" (10cm). The MS-5000 reader measures 4.3" long x 3.0" wide x 0.38" thick (109mm x 76mm x 10mm) and can be mounted on a single gang electrical box or flat on a wall.

The MS-7000™ Reader measures just 8.5" long x 6" wide x 0.83" thick (21.6cm x 15.2cm x 2.1cm), with a read range of up to 14" (35cm). This reader is designed for applications where greater read range adds to the convenience of the system, such as parking access or physically challenged access.

The readers are attractively designed with a thin profile and modern appearance. The readers are compatible with Keri's KC-10X and MT-10X proximity card styles as well as the small, extremely robust PKT-10X Key Tag. Additionally, they can read any Indala ASP Card or Tag if they are to be used in conjunction with a PXL-500 Controller.

MS-3000/-5000/-7000 Readers Specifications

MS-3000/-5000/-7000 Readers	Thin, attractive proximity reader that reads Keri's proprietary K-series 125KHz credentials
Features	Ultra thin profile
	IP67 water resistant
	Lifetime warranty
	Hardware
Input Power (a)	MS-3000: 5 to 14 VDC @ 50 mA typical
	MS-5000: 5 to 14 VDC @ 100 mA typical
	MS-7000: 11 to 14 VDC @ 200 mA typical
Read Range (b)	MS-3000: up to 4 inches (10 cm)
	MS-5000: up to 6 inches (15.25 cm)
	MS-7000: up to 14 inches (35.5 cm)
LED Indicator	Standard tri-color (Red, Amber, Green, Off)
Audio Tone	Standard beeper
Operating Frequency	125 KHz excitation, 62.5 KHz data return
	Cabling
MS-3000/5000	24 AWG, 6 conductor, stranded, shielded, 500 ft. (150 m) maximum run
MS-7000	24 AWG, 6 conductor, stranded, shielded, 250 ft. (75 m) maximum run
	20 AWG, 6 conductor, stranded, shielded, 500 ft. (150 m) maximum run
	Operating Environment
Temperature	-40° F to 149° F (-40° C to 65° C)
Humidity	0-90%, Non Condensing
	Mechanical Specifications
Dimensions	MS-3000: 3.4 in H x 1.4 in W x 0.38 in D (86mm x 36mm x 10mm)
	MS-5000: 4.3 in H x 3.0 in W x 0.38 in D (109mm x 76mm x 10mm)
	MS-7000: 8.5 in H x 6 in W x 0.83 in D (21.6cm x 15.2cm x 2.1cm)
Weight	MS-3000: 2.1 oz. (59g)
	MS-5000: 3.2 oz. (90g)
	MS-7000: 1.3 lbs. (582g)

MS-3000/-5000/-7000 Readers Specifications	
	Compliance and Product Warranty
Certifications	CE, FCC, CSA Std. C22.2, UL294
Warranty	Lifetime warranty against failure under normal use and care - physical abuse is not covered
	Ordering Information & Related Products
Model Number (c)	Description
MS-3000X	Mullion Mount Proximity Reader for PXL-500P Controllers
MS-5000BX	Wall Mount Proximity Reader for PXL-500P Controllers
MS-7000BX	Medium Range Proximity Reader for PXL-500P Controllers
MS-4000X	Wall Mount Vandal Resistant Reader for PXL-500P Controllers
	Specifications are subject to change without notice
	a) The use of a linear power supply is always recommended
	b) Read range is stated in a clean RF and electrical environment with a KC-10X card presented parallel to reader surface.