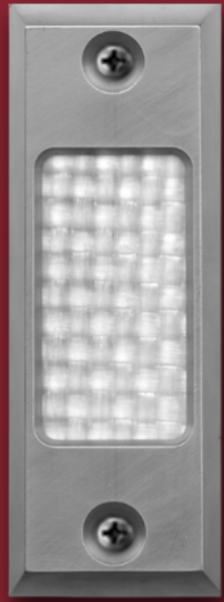


MS-4000 Proximity Reader

Data Sheet



MS-4000 Proximity Reader

The MS-4000™ Proximity Reader is designed for areas where crime and vandalism are a constant threat to the access control system's card readers. The outside housing is made of stainless steel and is bevelled such that it is nearly impossible to get sufficient leverage to pry it off a wall or mullion. The portion of the face of the reader that covers the electronics consists of a material that is many layers of interwoven fiberglass (UL 752 listed for bulletproof integrity). The reader can withstand 9mm bullets at "point-blank" firing range and will not be burned by common cigarette lighters, both which are typical sources of vandalism.

The MS-4000 is typically used in applications where other types of readers (including proximity) have failed due to vandalism to the reader itself. Many applications do not lend themselves to concealment of a reader inside or behind a wall, so the reader must be exposed to the environment. Exposed readers traditionally have invited vandalism, resulting in higher cost to the building owner because of constant replacement, inconvenience and lack of security for users due to system down time. The MS-4000 is field proven in its ability to function in open hostile environments.

Key Features

Bullet proof and flame resistant

Designed for high crime areas where vandalism is a problem

Virtually impossible to pry off a wall or mullion

Perfect for inner city housing projects

Field proven in the toughest environments

MS-4000 Proximity Reader Specifications

MS-4000 Reader	Vandal-Resistant for High Crime Areas
Features	Bullet proof and flame resistant
	The reader has front & rear "blind" mounting screw holes for extra security
	Virtually impossible to pry off a wall or mullion
	Perfect for inner city housing projects
	Field proven in the toughest environments
	Hardware
Input Power (a)	11 to 14 VDC @ 80 mA typical
Read Range (b)	up to 2 inches (5cm)
LED Indicator	not available
Audio Tone	not available
Operating Frequency	125 KHz excitation, 62.5 KHz data return
	Cabling
MS-4000	24 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	-40° F to 149° F (-40° C to 65° C)
Weight	15.4 oz. (431 g)
Material	Stainless Steel body, Fiber-Tex® face (UL 752 listed)
	Compliance and Product Warranty
Certifications	CE, FCC, CSA Std. C22.2, UL294
Warranty	Limited lifetime warranty against defects in materials and workmanship
	Ordering Information & Related Products
Model Number (c)	Description
MS-4000X	Wall Mount Vandal Resistant Reader for PXL-500P Controllers
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
	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. The PKT-10X Key tag is the preferred Credential with this reader.