



MCR PROXIMITY READERS



MCR-50-H

MCR-30-H

MCR-64-H



MCR Proximity Readers



Frequency: 125 kHz

Read Ranges:

MCR-30-H: Up to 3.5 inches (88 mm)

MCR-50-H: Up to 7 inches (176 mm)

MCR-64-H: Up to 7 inches (176 mm)



ETL Listed

Independently Tested and Certified to Conform to UL Standard 294



Warranty

Lifetime Warranty



Wiegand

Output Interface



Contactless

Up to 7 in (176 mm)



Mullion Mount (MCR-30-H)

Metal Door, Window Frames & Flat Surfaces



U.S. Single-Gang Wall-Box Mount (MCR-50-H and MCR-64-H)

Metal or Plastic Box & Flat Surfaces

MCR PROXIMITY READERS

The MCR Proximity Readers are specialty readers within the *Pyramid Series Proximity*[®] family of readers. Making use of proven digital radio frequency identification (RFID) technology, they support certain Indala[®] ASP Advantage Series Proximity formats, certain HID[®] 125-kHz proximity protocol, and Pyramid series 125-kHz proximity protocol. Allowing for both indoor and outdoor operation, the electronics are secured in tamper-resistant epoxy potting.

Specifications	MCR-30-H	MCR-50-H	MCR-64-H
Technology	Proximity		
Frequency	125 kHz		
Mounting	Mullions, including metal door and window frames, as well as flat surfaces	Metal or plastic US single-gang wall box, as well as flat surfaces	Metal or plastic US single-gang wall box, as well as flat surfaces
Dimensions	1.7" W × 3.2" H × 0.7" D (43 mm × 81 mm × 18 mm)	3" W × 4.6" H × 0.4" D (76 mm × 117 mm × 10 mm)	3" W × 4.6" H × 0.75" D (76 mm × 117 mm × 19 mm)
OEM Label Area Dimensions	0.9" W × 0.35" H (22.86 mm × 8.89 mm) with corner radius of 0.63" (16 mm)		
Weight	3 oz (85 g)	4 oz (113 g)	4 oz (113 g)
Certifications	FCC, ICC, CE, UL Standard 294 ¹		
IP Code ²	IP67		
Voltage ³	+5 – 16 VDC		
Current Draw	0.07 to 0.085A	0.07 to 0.085A	0.085 to 0.125A
Read Range ⁴	Up to 3.5 inches (88 mm)	Up to 7 inches (176 mm)	Up to 7 inches (176 mm)
Cabling ⁵	24 AWG minimum, multiconductor stranded with an overall foil shield		
Interface	Wiegand		
Operating Temperature	–40° F to 149° F (–40° C to +65° C)		
Color Options	Black snap-on cover included standard		
Audio Tone	Beeper included standard		
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting		
Warranty	Limited lifetime warranty		
LED	Four-state standard (red, green, amber, and off)		
Keypad Output ⁶	N/A	N/A	Wiegand
Technologies Supported	Certain Indala [®] ASP formats ⁷ + certain HID [®] 125-kHz Proximity protocols ⁸ + native Pyramid 125-kHz Proximity protocols ⁹		

NOTES:

- 1 Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294.
- 2 Self evaluated.
- 3 Linear power supplies are recommended for best operation.
- 4 Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader.
- 5 For example, Belden 9535 or similar, supporting the five conductors comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions. Contact your access control system manufacturer for their specific requirements.
- 6 Available only on MCR-64 model; 8-Bit Burst Wiegand standard. For 4-Bit Burst and other options, please contact Farpointe Data, Inc. Features may vary based on model.
- 7 Examples may include, and may not be limited to, Indala[®] 26-bit 1L, Indala[®] 27-bit 1L, Indala[®] Scrambled 27-bit 1L, and Indala[®] 32-bit 1L. For additional formats, contact Farpointe Data, Inc.
- 8 Examples may include, and may not be limited to, ProxCard II[®], ISOProx[®] II, and ProxKey[®] II.
- 9 Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, and PDT-1.

Farpointe Data reserves the right to change specifications without notice.



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