



# MCR PROXIMITY READERS



MCR-50-H

MCR-64-H

MCR-30-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 (Wiegand models)**

Conform to UL Standard 294 and ULC 60839-11-1



**Warranty**

Lifetime Warranty



**Wiegand, ABA Track II Magnetic Stripe or OSDP\***

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

\*OSDP readers are independent models and need to be appended with the suffix “-OSDP” when ordering (Example: MCR-30-H-OSDP).

## 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 0.06" (1.5 mm)		
Weight	3 oz (85 g)	4 oz (113 g)	4 oz (113 g)
Certifications	FCC, ICC, CE, UL Standard 294, ULC 60839-11-1 <sup>1</sup>		
IP Code <sup>2</sup>	IP67		
Voltage <sup>3</sup>	+5 to 16 VDC		
Current Draw	0.07 to 0.085A	0.07 to 0.085A	0.085 to 0.125A
Read Range <sup>4</sup>	Up to 3.5 inches (88 mm)	Up to 7 inches (176 mm)	Up to 7 inches (176 mm)
Cabling <sup>5</sup>	24 AWG minimum, multiconductor stranded with an overall foil shield		
Interface	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) or OSDP <sup>6</sup>		
Operating Temperature	-31° F to 150° F (-35° C to +66° C)		
Operating Humidity	0% to 90% relative humidity		
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 <sup>7</sup>	N/A	N/A	Wiegand
Technologies Supported	Certain Indala® ASP formats <sup>8</sup> + certain HID® 125-kHz Proximity protocols <sup>9</sup> + native Pyramid 125-kHz Proximity protocols <sup>10</sup>		

### NOTES:

- Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been evaluated.
- Self evaluated.
- Linear power supplies are recommended for best operation.
- Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader.
- 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. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Contact your access control system manufacturer for their specific requirements.
- OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: MCR-30-H-OSDP).
- 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.
- 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.
- Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxKey® II.
- 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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**Farpointe Data, Inc.**  
2195 Zanker Road  
San Jose, CA 95131 USA  
Office: +1-408-731-8700  
Fax: +1-408-731-8705  
support@farpointedata.com



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[www.farpointedata.com](http://www.farpointedata.com)

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