

# 4100-MR710

125 kHz Proximity Card Reader

Pyramid Series Proximity®  
Data Sheet



**Application** - High performance design makes it ideal for longer range applications such as door access (metal or plastic wall-box mount), gate entry and parking barriers.

**Compatible** - Wiegand and magnetic stripe protocols for easy integration with standard access systems.

**Industry Friendly** - Can support several proximity card and tag technologies.

**Performance** - Delivers non-contact read ranges up to 15 inches (381 mm).

**Durable** - Electronics are secured with tamper- and weather-resistant epoxy potting, and backed by a lifetime warranty.

Pyramid Series Proximity from Farpointe Data sets the electronic security benchmark for 125 kHz proximity readers, card and tags. Based upon proven contactless digital radio frequency identification (RFID) technology, Pyramid readers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and fleaPower™, and can be ordered to support several proximity card and tag technologies. Additionally, Pyramid cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered to support several proximity reader technologies.

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CORPORATION  
**TOYE**  
ACCESS CONTROL SYSTEMS

# 4100-MR710

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## Features and Specifications:

<b>Technology:</b> Proximity	<b>Frequency:</b> 125 kHz
<b>Mounting:</b> Metal or plastic US single-gang wall box, as well as non-metallic flat surfaces	<b>Dimensions (HxWxD):</b> 8.5 x 6 x 1 inches (216 x 152 x 25.4 mm)
<b>OEM Label Area Dimensions:</b> N/A	<b>Weight:</b> 20 oz. (567g)
<b>Certifications:</b> FCC, ICC	<b>IP Code:</b> IP67 <sup>4</sup>
<b>Voltage<sup>2</sup>:</b> +5 - 16 VDC	<b>Current Draw:</b> 215 mA typical, 350 mA peak @ 12VDC
<b>Read Range<sup>3</sup>:</b> Up to 15 inches (381 mm)	<b>Cabling<sup>5</sup>:</b> 24 AWG minimum, multi-conductor stranded with an overall foil shield
<b>Interface:</b> Wiegand ABA Track II	<b>Operating Temperature:</b> -40° F to 149° F (-40° C to +65° C)
<b>Color Options:</b> Black enclosure with a black label concealing mounting screws	<b>Audio Tone:</b> Beeper included standard
<b>Indoor &amp; Outdoor Installation:</b> Electronics sealed in weather- and tamper-resistant epoxy potting	<b>Warranty:</b> Limited lifetime warranty
<b>LED:</b> Four-state standard (red, green, amber & off)	<b>Keypad Output<sup>6</sup>:</b> N/A
<b>Technologies Supported:</b> P-710: Pyramid Series Proximity Cards and Tags <sup>7</sup> P-710-H: Pyramid + certain HID® Proximity protocols <sup>8</sup> P-710-A: Pyramid + certain AWID® 125-kHz Proximity protocols <sup>9</sup> P-710-H-A: Pyramid + certain HID 125-kHz Proximity protocols + certain AWID 125-kHz Proximity protocols	

<sup>2</sup> Linear power supplies are recommended for best operation; recommended models - Altronix LPS3C12X, Electronic Security Devices LP1EST12, Highpower Security Products Lightning 505.

<sup>3</sup> Using PSC-1 Standard Light Proximity Card with 12VDC at the reader.

<sup>4</sup> Self evaluated

<sup>5</sup> For example Belden 9535 or similar.

<sup>6</sup> Available only on P-640 models; 8-Bit Burst or 26-bit Wiegand standard, for 4-Bit Burst and other options please contact Farpointe.

<sup>7</sup> Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, and PDT-1.

<sup>8</sup> Examples may include, and may not be limited to, ProxCard® II, ISOProx® II and ProxKey® II.

<sup>9</sup> Examples may include, and may not be limited to, CS Prox Card, GR (ISO) Graphics Quality Prox Card and KT Key Tag.

Farpointe Data reserves the right to change specifications without notice.

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