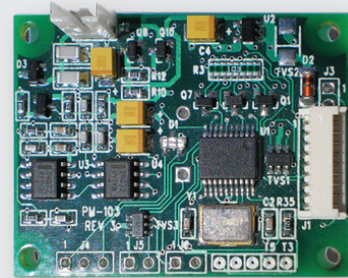# PM-103
OEM PROXIMITY MODULE

LOCKSETS   VENDING   CUSTOM READERS   TERMINALS

Pyramid Series Proximity®

Frequency: 125 kHz
Read Range: Up to 4 inches (102 mm)

MAXSecure™
Unique Security Feature

Warranty
Lifetime Warranty

Wiegand
Output Interface

PM-103 OEM PROXIMITY MODULE

The PM-103 is a member of Farpointe's *Pyramid Series* Proximity® line of 125-kHz proximity devices for access control. Making use of proven digital radio frequency identification (RFID) technology, and unlike a standard proximity reader, the PM-103 OEM Proximity Module is intended to be embedded into applications where proximity technology is required.

The PM-103's compact design allows it to be embedded in tight places. Physical size is 1.7 W × 1.3 H × 0.41 D (at coil connector) inches (43.2 × 33 × 10.4 mm). The PM-103 is capable of delivering non-contact read ranges up to 4 inches (102 mm), and may operate from 5 to 14 VDC. Standard output formats include Wiegand and ABA Track II magnetic stripe.

The Pyramid Series line includes a comprehensive selection of proximity access cards and tags that may be used interchangeably, including the PSC-1, Standard Light Proximity Card, the PSI-4 Image Technology Proximity Card, the PSM-2 Multi-Technology Proximity Card, and the PSK-3 Proximity Key Ring Tag.

Specifications	PM-103
Technology	Proximity
Frequency	125 kHz
Mounting	Four holes, one at each corner for simple installation
Dimensions	1.7" W × 1.3" H × 0.41" D (43.2 mm × 33 mm × 10.4 mm)
Voltage[1]	5 – 14 VDC @ 40 mA typical, 60 mA max (depending on coil)
Operating Temperature	−22° F to +149° F (−30° C to +65° C)
Read Range (typical)[2]	Up to 4 inches (102 mm) depending on the coil chosen and mounting location
Interface	Wiegand and ABA Track II magnetic stripe
Audio Tone	Supports external beeper
Warranty	12 months
LED	Four-state standard (red, green, amber, and off). External LED option.
Compliance	Designed to comply with FCC and UL requirements. OEM is responsible for regulatory and safety approvals.
Technologies Supported	PM-103: *Pyramid Series* Proximity® Cards and Tags[2] PM-103-H: Pyramid + certain HID® 125-kHz Proximity protocols[3] PM-103-A: Pyramid + certain AWID 125-kHz Proximity protocols[4] PM-103-H-A: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID 125-kHz Proximity protocols

NOTES:

1. Linear power supplies are recommended for best operation.
2. Dependent upon credential used, coil size utilized, and installation environment.
3. Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, and PSK-3.
4. Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxTag® II.
5. Examples may include, and may not be limited to, CS Prox Card, GR Graphic Card, GRMAG Graphic Mag-Strip Card, PW Prox Wafer, and KT Key Tag.

Pin-Outs:

Connector One – Part: Molex 53048-0910

PIN	Description
J1-1	+VDC Input
J1-2	GROUND Input
J1-3	RESET (Active Low Input)
J1-4	BEEPER Control (Active Low Input)
J1-5	CARD PRESENT Output Signal
J1-6	DATA 0 Output
J1-7	DATA 1 Output
J1-8	RED LED Control (Active Low Input)
J1-9	GREEN LED Control (Active Low Input)

Connector Two – Part: Amp 292161-2

PIN	Description
J2-1	COIL A
J2-2	COIL B

PIN	Description
J3-1	GREEN LED Control (Active Low Input)
J3-2	RED LED Control (Active Low Input)
J3-3	BEEPER Control (Active Low Input)
J3-4	+VDC Input
J3-5	GROUND Input
J3-6	CARD PRESENT Output Signal
J3-7	DATA 0 Output
J3-8	DATA 1 Output
J4-1	Red LED Output
J4-2	Green LED Output
J4-3	Ground
J5-1	TX (TTL Serial Output)
J5-2	RX (TTL Serial Input)
J5-3	+VDC Out
J5-4	GROUND

Farpointe Data reserves the right to change specifications without notice.

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