P-640 Patagonia Proximity Reader

The P-640 Patagonia Proximity Reader and Keypad is a member of the Pyramid Series Proximity line of OEM proximity readers, cards and tags. Making use of proven digital radio frequency identification (RFID) technology, it may be mounted directly to standard U. S. A. sized single-gang wall boxes, and is ideal for applications requiring an access credential and/or personal identification number (PIN), such as high security dual verification. Additionally the P-640 features the option of either HID or AWID proximity compatibility (model P-640-H or P-640-A, respectively), allowing it to read either HID and Pyramid Series cards and tags or AWID and Pyramid Series cards and tags.

Keypad data is transmitted via the reader's data lines in either an 8-Bit Burst or 26-Bit Wiegand data format. The alpha-numeric keypad itself makes use of a durable (no moving parts), non-mechanical capacitive technology. It includes advanced enhancements including blue backlighting and a continuously illuminated 5-key, both for orientation at night, tactile feedback, and a raised 'pip' on the 5-key for use by visually impaired individuals.

The single-piece P-640 delivers non-contact read ranges up to 6 inches (152 mm), and operates from 5 to 14 VDC. Physical size is a compact 4.6 x 3 x 0.70 inches (117 x 77 x 18 mm). Mounting is simplified with horizontal and vertical mounting slots, instead of holes, which allow the reader to be conveniently adjusted and leveled. To allow both indoor and outdoor operation the electronics are sealed in tamper resistant epoxy potting. Concealing the mounting hardware, the P-640 ships with both black and white covers standard.

The Pyramid Series line includes a comprehensive selection of proximity access cards and tags that may be used interchangeable with any of the Pyramid Series readers, 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.

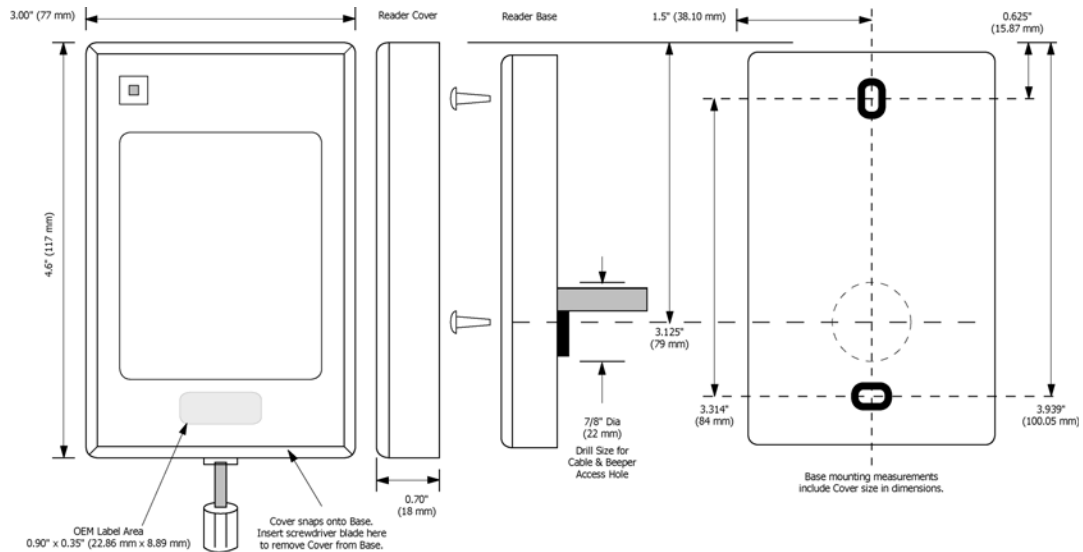|	
• Pro-X™ Proximity RFID technology.	» Best-in-class read range.
• MAXSecure™.	» Increase the security of any data format.
• fleaPower™.	» Lower power costs and extend battery life.
• Mounts directly to U.S.A. wall-box.	» Install on metal or plastic wall-boxes.
• Blue backlighting.	» Provides for enhanced visibility in dark locations.
• Tactile feedback.	» Positive feedback upon key activation.
• Beeper and four-state LED standard.	» Provisions for both system and local control.
• Pass-Thru Wiegand and magnetic stripe outputs standard.	» Compatible with all standard access systems.
• Black and off-white covers standard in each box.	» Choice in color to best match building décor.
• Recessed label area.	» Provides for quick and professional private labeling options.
• Optional HID compatibility.	» When enabled, reads both HID and Pyramid Series cards and tags.
• www.FarpointeData.com.	» For the latest on your INTELLIGENT proximity alternative™.

Data Sheet | Pyramid Series Proximity™

P-640 Patagonia Proximity Reader

PYRAMID SERIES PROXIMITY

Read Range ^a: PSC-1 - Up to 6 inches (152 mm) PSI-4 - Up to 4 inches (102 mm)	PSM-2 - Up to 4 inches (102 mm) PSK-3 - Up to 3 inches (76 mm)

Size: 4.6 x 3 x 0.7 inches (117 x 77 x 18 mm)	**Weight:** 4 oz. (113 g)
Input Voltage ^b: +5 to 14 VDC	**Current Draw ^c:** 30 mA minimum, 50 mA typical, 115 mA peak
LED Indicator ^d: Four-State Standard (Red, Green, Amber, and Off)	**Audio Tone:** Standard
Frequency: 125 KHz excitation	**Operating Temperature:** -40° C to +65° C
Colors: Black and Off-White	**Metal Mounting:** May be mounted directly to metal.

Reader Formats: Wiegand (26-bit Industry Standard and custom formats) and ABA Track II magnetic stripe (clock and data)

Keypad Formats ^e: 8-Bit Burst (default) and 26-Bit Wiegand

Credential Compatibility:
    Standard - Pyramid Series Cards and Tags (PSC-1, PSI-4, PSM-2, and PSK-3)
    Optional ^f - HID (ProxCard II, ISOProx II, and ProxTag II) and Pyramid Series Cards and Tags
    Optional ^g - AWID (CS, GR, KT, GRMAG & PW) and Pyramid Series Cards and Tags

Warranty: The P-640 carries a limited lifetime warranty against defects in materials and workmanship.

Certifications: FCC, CE, C-Tick.

a. Read range is stated in a clean RF and electrical environment using PSC-1 cards presented parallel to the reader surface with the reader operating at 12 VDC. Additionally, read range may be affected by local installation conditions. Range will be less when mounting to metal.
b. Use of a linear power supply is always recommended.
c. Minimum current draw is obtained by operating the reader in the fleaPower™ mode at 5 VDC with LED off. Peak current draw occurs when reading a card and tag.
d. For user orientation in non-illuminated environments the 5-key is always illuminated.
e. The Patagonia Proximity Reader and Keypad may be used as a keypad-only device.
f. To designate optional HID compatibility, add the "H" suffix to the model number (e.g. P-350-H). For further information, see the section regarding HID compatibility in the Pyramid Series Reader Product Manual.
g. To designate optional AWID compatibility, add the "A" suffix to the model number (e.g. P-300-A). Farpointe also offers Pyramid Series cards and tags in AWID compatible formats. For further information, see the Inter-Brand Technical Reference Document.

Farpointe Data reserves the right to change specifications without notice.

Farpointe Data, Inc.
e-mail:sales@pyramidseries.com
web: www.pyramidseries.com

Presented By