

INVINCIBLE

DUAL TECHNOLOGY ACCESS CONTROL READERS



PIEZOPROX® & iSMART™

- Vandal Resistant (No Moving Parts)
- Billion Cycle Switch Technology™
- Weatherproof (-40° C to +70° C)
- Waterproof (100% Relative Humidity)
- New Laser Marked Keypad Graphics
- Field Selectable Input Voltage (5 or 12VDC)
- HID Proximity or iCLASS®
- Limited Lifetime Warranty

PiezoProx and iSMART are virtually indestructible, dual technology access control readers. Compatible with most access control panels, PiezoProx combines an Essex Piezoelectric Keypad with HID 125kHz Proximity. iSMART offers an enhanced level of security by integrating HID iCLASS 13.56MHz smart card technology.



XE ESSEX
ELECTRONICS
INCORPORATED
1-800-KEYLESS keyless.com



Features

- **Keypad Switch Technology**
Essex proprietary Piezoelectric Billion Cycle Switch Technology™
- **New Laser Marked Keypad Graphics**
Laser marked Stainless Steel withstands wear from high use and harsh environments. (i.e. JA Jetfuel, bleach)
- **Mounting Methods**
Mounts directly to a single gang switchbox or surface mount
- **Vandal Resistant Design**
Fully encapsulated keypad and card reader provide superior performance in any environment
- **Field Selectable Input Voltage**
Select either 5 or 12 volts during installation
- **Programmable Site Code (26 Bit Wiegand)**
Program a site code (000 to 255) in the field
- **Limited Lifetime Warranty**
Lifetime Warranty against defects in materials and workmanship

Specifications

- **Power Requirements**
Field Selectable 5 or 12VDC
- **Maximum Read Range**
PiezoProx: Up to 5" (12.7 cm)
iSMART: Up to 3" (7.6 cm)
- **Transmit Frequency**
PiezoProx: 125kHz
iSMART: 13.56MHz
- **Keypad Switch Life**
> 1 Billion Cycles
- **Current Draw**

	With LED	Without LED
	< 50mA	< 30mA
	< 80mA	< 35mA
- **Dimensions**

	Height	Width	Depth
PiezoProx/iSMART	7¼"	3⅝"	1½"
	(18.4 cm)	(9.2 cm)	(3.8 cm)
- **Operating Environment**
- 40° C to +70° C (- 40° F to +160° F),
100% Relative Humidity
- **Weight**
25 oz (709 g)
- **Material**
Keypad Bezel: 316L Stainless Steel
Keypad: 304 Stainless Steel
Card Reader Housing: XYLEX®
- **Card Reader Options**



PiezoProx® w/ Stainless Bezel



iSMART™ w/ Black Bezel



ORDERING GUIDE

A – Choose CARD READER

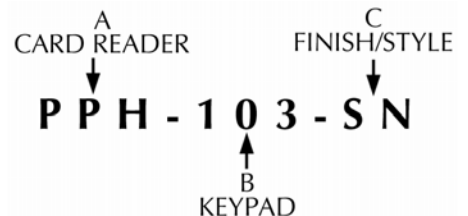
- PPH** • PiezoProx w/HID Proximity
- ISH** • iSMART w/HID iCLASS®
For Mifare, DESFire and other smart card technologies, please contact Essex

B – Choose KEYPAD Output

- 103** • 26 Bit Wiegand
- 163** • 8 Bit Word
- PRO – 103** • Proximity Reader Only (No Keypad) for a KTP-103
- PRO – 163** • Proximity Reader Only (No Keypad) for a KTP-163
- IRO – 103** • iSMART Reader Only (No Keypad) for a KTP-103
- IRO – 163** • iSMART Reader Only (No Keypad) for a KTP-163

C – Choose Keypad FINISH/STYLE

- SN** • Stainless Steel Bezel
 - KN** • Black Bezel
 - BN** • Brass Finished Bezel*
- * Note: Bezel is Brass in appearance. Actual Bezel is Stainless Steel with a long lasting PVD coating.



LP1EZOPROX/iSMART.0706.R3
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