

Heavy Duty Keypad/Card Access Control Reader



Built to Last
Essex Readers
secure
International
Airports
around the
World

PIEZOPROX® & iSMART™



Extreme Duty Keypad/Card Reader
Superior Vandal Resistance
All Weather IP66 Rated Design
Epoxy Encapsulated Electronics
Genuine HID Technology™
125kHz Proximity or 13.56MHz iCLASS®
Essex Piezoelectric Keypad
Laser Marked Keypad Graphics



**Essex
Electronics**
1-800-KEYLESS keyless.com

Features

All Weather Design

Epoxy encapsulated electronics in a weatherized enclosure provides superior performance in even the most extreme environment.

Vandal Resistant Construction

Stainless steel piezoelectric keypad and encapsulated card reader designed for vandal prone areas.

Keypad Switch Technology

Essex Piezoelectric Billion Cycle Switch Technology™

Laser Marked Keypad Graphics

Laser marked Stainless Steel withstands wear from frequent use and harsh environments. (i.e. JA Jetfuel, bleach)

Mounting Method

Mounts directly to a single gang switchbox or surface mount.

Field Selectable Input Voltage

Select either 5 or 12 volts during installation.

Programmable Site Code (26 Bit Wiegand Keypad)

Program a site code (000 to 255) in the field.



PiezoProx® w/ Stainless Bezel

Specifications

Power Requirements

5 or 12VDC Field Selectable

Output

Card Reader: Wiegand output interfaces with most access control systems.
Keypad: 26 Bit Wiegand or 8 Bit Word

Transmit Frequency

PiezoProx: 125kHz
iSMART: 13.56MHz

Maximum Read Range

PiezoProx: Up to 5" (12.7 cm)
iSMART: Up to 3" (7.6 cm)

Keypad Switch Life

> 1 Billion Cycles

Current Draw

	With LED	Without LED
5 Volt	< 50mA	< 30mA
12 Volt	< 80mA	< 35mA

Operating Environment

IP66 Rated, -40°C to + 70°C (-40°F to + 160°F)
100% Relative Humidity

Dimensions

	Height	Width	Depth
PiezoProx/iSMART	7¼"	3⅝"	1½"
	(18.4 cm)	(9.2 cm)	(3.8 cm)

Weight

25 oz (709 gm)



ORDERING GUIDE

Essex Part No.

PPH - 103 - SN

PPH - 103 - KN

PPH - 163 - SN

PPH - 163 - KN

ISH - 103 - SN

ISH - 103 - KN

ISH - 163 - SN

ISH - 163 - KN

FOB - 1346 - 50

FOB - 2050 - 50

CARD - 1326 - 100

CARD - 2080 - 100

Description

PiezoProx® Reader- HID Proximity w/26 Bit Wiegand Keypad, Stainless Bezel

PiezoProx® Reader- HID Proximity w/26 Bit Wiegand Keypad, Black Bezel

PiezoProx® Reader- HID Proximity w/8 Bit Word Keypad, Stainless Bezel

PiezoProx® Reader- HID Proximity w/8 Bit Word Keypad, Black Bezel

iSMART™ Reader - HID iCLASS w/26 Bit Wiegand Keypad, Stainless Bezel

iSMART™ Reader - HID iCLASS w/26 Bit Wiegand Keypad, Black Bezel

iSMART™ Reader - HID iCLASS w/8 Bit Word Keypad, Stainless Bezel

iSMART™ Reader - HID iCLASS w/8 Bit Word Keypad, Black Bezel

50 ea. HID Prox Keyfobs (125kHz 26 Bit Proximity)

50 ea. HID iCLASS Keyfobs (13.56MHz 37 Bit iCLASS)

100 ea. HID Clamshell Prox Cards II (125kHz 26 Bit Proximity)

100 ea. HID Clamshell iCLASS Smart Cards (13.56MHz 37 Bit iCLASS)



FOB - 1346



CARD - 1326

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