Extreme Duty Programmable Switches

Cutting-Edge Switch Technology

PHSS1-US

Stainless Steel
Virtually Indestructible
Aircraft Quality Construction

HAND-E-TAP® SERIES

PHSS2-US
PUSH TO OPEN

PHSK4-US
PUSH TO EXIT

PHSB2MX-US
PRESIONE PARA ABRIR

PHSSCB-US
Custom Graphics

- Stainless Steel Construction
- Weather/Vandal Resistant Design
- Field Selectable Options
- Limited Lifetime Warranty
- Made with pride in the USA
- ADA Compliant Switch
- Custom Graphics Available
- Rugged Piezoelectric Switch

Essex Electronics
1-800-KEYLESS  keyless.com
Hand-E-Tap® Extreme Duty, Programmable Access Switches

Essex Hand-E-Tap Access Switches are virtually indestructible, ADA Compliant field programmable switches. These heavy duty, multipurpose switches are designed for all users including the sight, hearing or physically impaired. Utilizing a proprietary Piezoelectric Switch Technology allows the switch to be operated with a light tap on any area of the switch or with a gloved hand, elbow or cane. Hand-E-Tap switches can be used to control an automatic door, electric lock/strike, magnetic lock or any electrically controlled device in a variety of high use or harsh, interior or exterior commercial environments. Hand-E-Tap field selectable options include adjustable output (timed or toggle), programmable audio and illumination status feedback.

Features
- Cutting Edge Switch Technology
  Essex proprietary Piezoelectric Billion Cycle Switch Technology™
- Vandal/Weather Resistant Design
  Heavy Duty, Stainless Steel Construction and Circuit Assembly Encapsulation
- Laser Marked Graphics
  Withstands wear from high use and harsh environments (i.e. water, ice, sand, salt, oil, grease, bleach, cleaning agents, etc.)
- Custom Graphics Available
  Add text, symbols or company logo, laser marked in black. Contact Essex for details
- Field Selectable Illumination
  Switch Activated or Externally Controlled
  Select On/Off for standby or active status
- Field Selectable Audio with Finder Mode
  Switch Activated or Externally Controlled
  Finder mode provides a beep every 10 sec. to assist locating switch for sight impaired users
- Mounting Method
  Mounts directly to a single gang switchbox or optional mounting back box (BAK BOX–SGS)
- Limited Lifetime Warranty
  Lifetime Warranty against defects in materials and workmanship

Specifications
- Power Requirements
  12 to 24VAC/DC*
- Outputs
  Field Programmable Output Mode: Toggle or Adjustable Output Time 1 to 60 seconds
  PHS: One SPDT Relay 8A @ 30VDC, 125VAC
  PHO: One Open Collector, ¼A max to ground
- Current Draw
  Min Max
  PHS Switch: < 8mA < 100mA
  PHO Switch: < 8mA < 30mA + External Relay
- Switch Operating Environment
  IP66 Rated
  - 40°F to + 160°F (-40°C to + 70°C)
  100% Relative Humidity
- Dimensions
  Height 5 ¼” Width 3 ¾” Depth 1”
- Material
  Switch Housing: 304 Stainless Steel
  Switch Bezel: 316L Stainless Steel
- Weight
  15.8 oz. (447 gm)

For enhanced switch illumination, the Hand-E-Tap Series can be used with an Essex Illuminated Spy Proof Housing. An angled mounting Back Box is also available for surface mount installations. See Accessories for more information.

Ordering Guide

A – Choose SWITCH
PHS – Hand-E-Tap® w/8A Relay
PHO – Hand-E-Tap w/O. C. Output* *Open Collector Output requires an external 12VDC relay

B – Choose FINISH
B – Brass Finished Bezel *
K – Black Bezel
S – Stainless Steel Bezel
X – No Bezel

C – Choose GRAPHICS
1 – ADA Wheelchair Icon
2 – "PUSH TO OPEN"
4 – "PUSH TO EXIT"
CB – Custom in Black (25 minimum)

A. SWITCH  B. FINISH  C. GRAPHICS
PHS S 1–US

Part Number Description
PHSX1 Hand-E-Tap® Access 8A Switch, No Bezel
PHSS1-US Hand-E-Tap Access 8A Switch, Stainless Bezel
PHSK1-US Hand-E-Tap Access 8A Switch, Black Bezel
PHSB1-US Hand-E-Tap Access 8A Switch, Brass Finished Bezel
PHSSCB-US Custom Hand-E-Tap 8A Access Switch, Stainless Bezel (25 minimum)
PS-12 12 Volt AC Adaptor – 1 AMP w/6’ Cord
PS-12DC 12 Volt DC Power Supply – 1.5 AMP w/6’ Cord

Graphics
ADA Wheelchair Icon
ADA Wheelchair Icon
ADA Wheelchair Icon
ADA Wheelchair Icon
Custom Laser Marked in Black
N/A
N/A

*Important Note: Essex Hand-E-Tap Switches will not operate with <11VAC/DC. Backup power (i.e. UPS - Uninterruptible Power Supply) is required for operation during a power interruption. Some local building or fire safety regulations may limit the use of electronic exit buttons. Consult with local officials prior to installing for egress applications. Contact Essex technical support for wiring suggestions.

Essex Electronics

LPHS.0811.R1
© 2011 Essex Electronics, Inc. All rights reserved

1130 Mark Avenue Carpinteria, CA 93013 • (805) 684-7601 • (805) 684-0232 FAX
1-800-BE-KEYLESS • keyless.com