

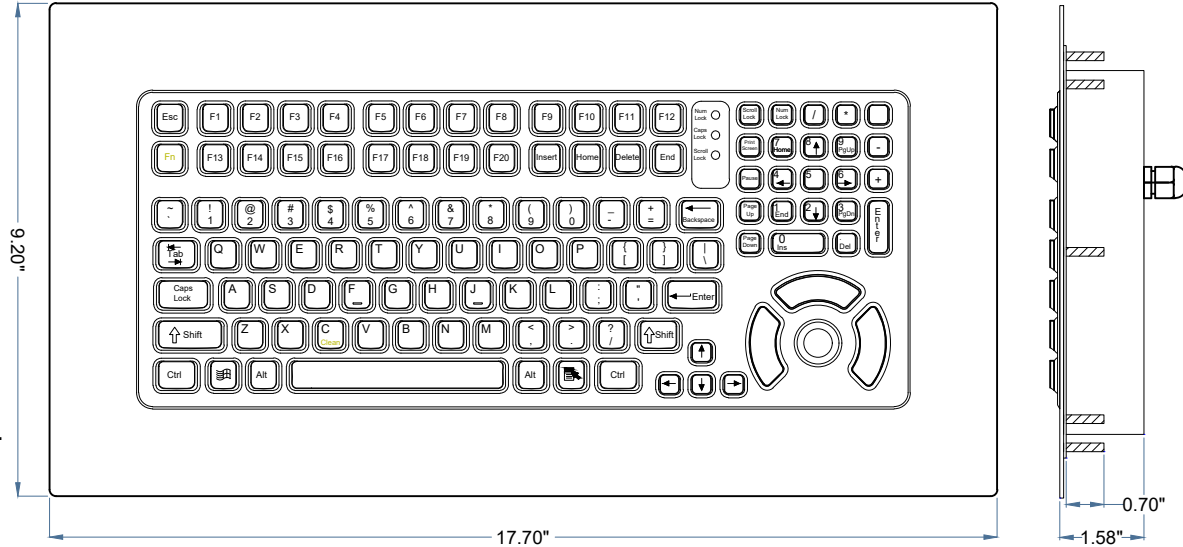
PM-5K-FSR-IS

| DATE | CHANGES | INTL | REV |
|----------|---|------|-----|
| 06.13.18 | Original | ALH | 1.0 |
| 03.20.19 | Added iKey PS2-IS-BARRIER as barrier option | CW | 2.0 |

DESCRIPTION: The PM-5K-FSR-IS combines a Force Sensing Resistor pointing device with a 10-key numeric keypad in a ruggedized stainless steel Panel Mount enclosure carrying the FM Approvals Intrinsically Safe Certification.

USE: The PM-5K-FSR-IS is designed for use in Hazardous Locations as detailed below. The keyboard must be used in combination with either the Daisy Data P070-000294-01 EX210 Isolation Barrier or the iKey PS2-IS-BARRIER.

MAINTENANCE: There are no serviceable parts on this assembly.



CERTIFICATION AND OPERATING SPECIFICATIONS:

| | |
|---|---|
| <p>INTRINSIC SAFETY: Class I/II/III, Division 1, Groups C/D/E/F/G</p> <p>TEMPERATURE CLASS: T4 (-40°C ≤ T4 ≤ +75°C)</p> <p>ENCLOSURE TYPE: Type 4X</p> | <p>STANDARDS FOR US APPROVAL: FM3600:2018, FM3610:2018, FM3611:2018, FM3810:2018, ANSI/UL 60079-0:2013 (Group IIB), ANSI/ISA 12.12.0:2015, ANSI/ISA 61010-1:2012, NEMA250:2014</p> <p>POWER: Reference Drawing Number HL0066 for Power Requirements</p> <p>WEIGHT: 5.25 lbs +/- 0.10 lbs (2.38 kg +/- 0.05 kg)</p> |
|---|---|

No revision to drawing w/o prior FM approval

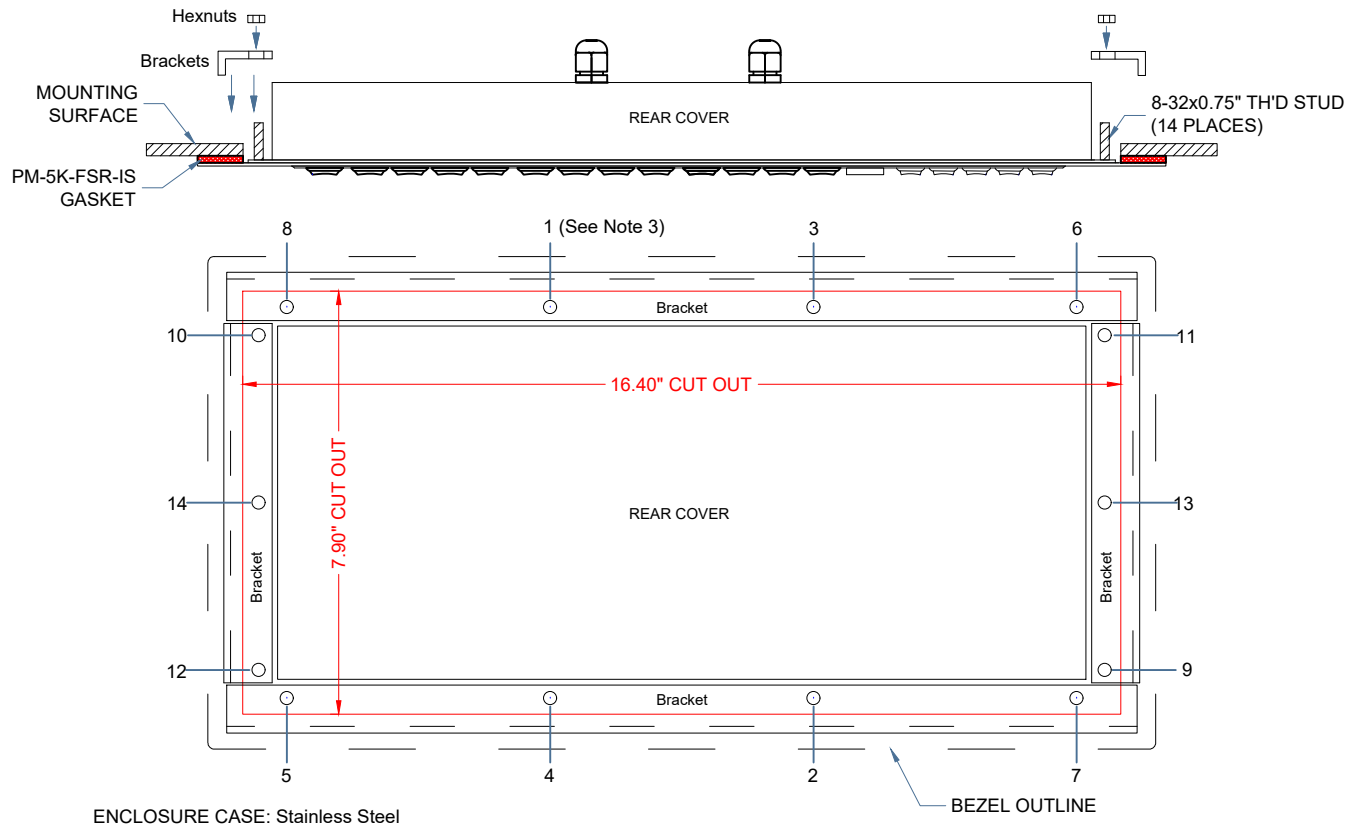
PROPRIETARY AND CONFIDENTIAL

| | | | | | |
|--|--|----------------------------------|--------------------------------|----------------------|--|
| <p>iKey, Ltd. 2621 Ridgpoint Dr. Suite 235 Austin, Texas 78754 Voice: (512) 837-0283 Fax: (512) 927-8530</p> | <p>©2019 iKey, Ltd.</p> | <p>Part Number: PM-5K-FSR-IS</p> | <p>Drawing Number: MKT0436</p> | <p>Sheet: 1 OF 3</p> | |
| | <p>Drawing Title: PM-5K-FSR-IS-MKT</p> | <p>Revision: 2.0</p> | <p>Date: 03.20.19</p> | <p>CW</p> | |

INSTALLATION: The PM-5K-FSR-IS and either the P070-000294-01 or PS2-IS-BARRIER Barrier should only be installed in Hazardous Locations as detailed in the Certification and Operating Specifications section. Installation shall be in accordance with NEC, Article 504, ANSI, NFPA 70, reference Drawing Number HL0066. Ensure all directions detailed below are followed:

1. Place the PM-5K-FSR-IS in the 16.4" x 7.9" cutout, see diagram below.
2. Place the supplied brackets (4x) on each side and hand tighten locking hexnuts over all (14x) 8-32 x 0.75" studs.
3. Tighten with a torque wrench to 15in/lb in order shown on diagram.

NOTE: Installed gasket should be compressed against mounting surface to ensure NEMA 4X rating.

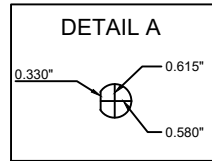


No revision to drawing
w/o prior FM approval

PROPRIETARY AND CONFIDENTIAL

ASSEMBLING AND DISMANTLING: The PM-5K-FSR-IS keyboard must be assembled with either the Daisy Data P070-000294-01 EX210 Isolation Barrier or iKey PS2-IS-BARRIER as shown in the connection diagram below and in accordance with Drawing Number HL0066. There are no serviceable parts in this assembly.

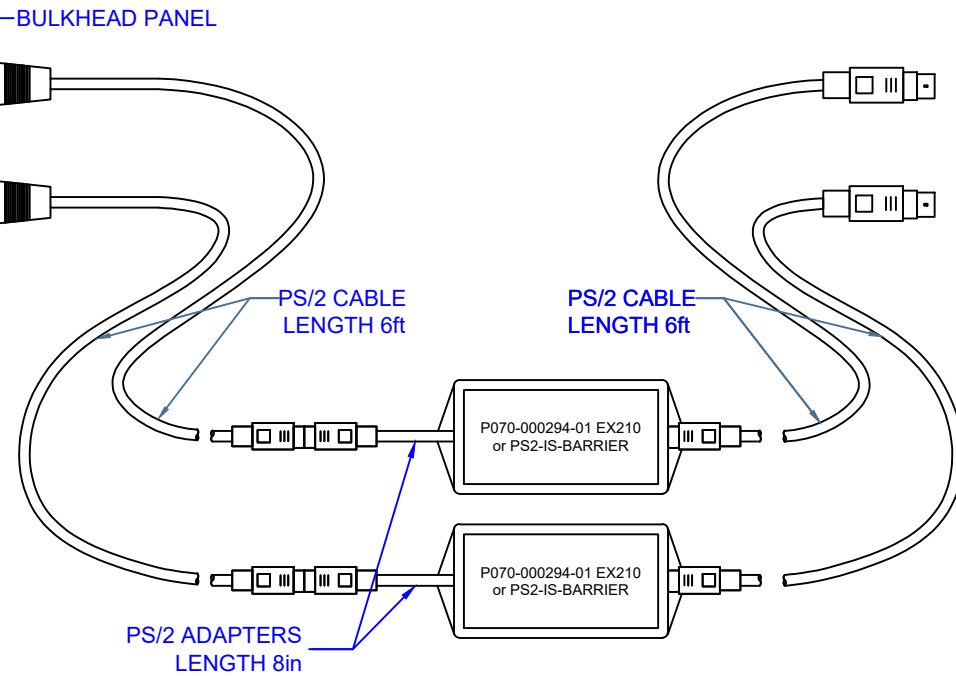
Hazardous (Classified) Location



.615" DIA X .580"
D-SHAPED THRU HOLE
DETAIL A

DUSTCAP

Non Hazardous (Unclassified) Location

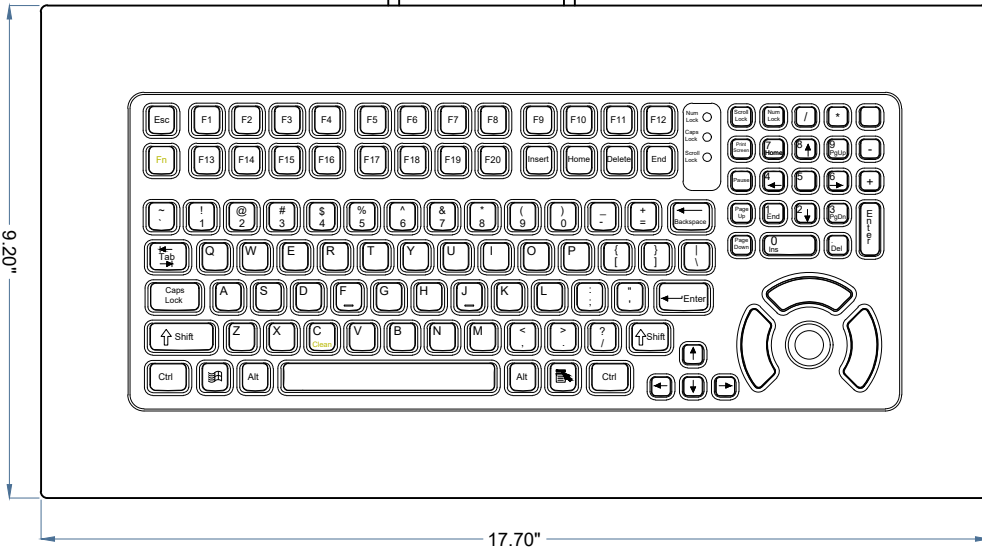


PS/2 CABLE
LENGTH 6ft

PS/2 CABLE
LENGTH 6ft

PS/2 ADAPTERS
LENGTH 8in

No revision to drawing
w/o prior FM approval



17.70"

9.20"

PROPRIETARY AND CONFIDENTIAL