

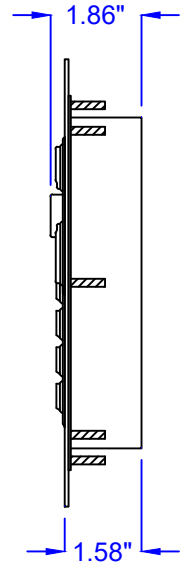
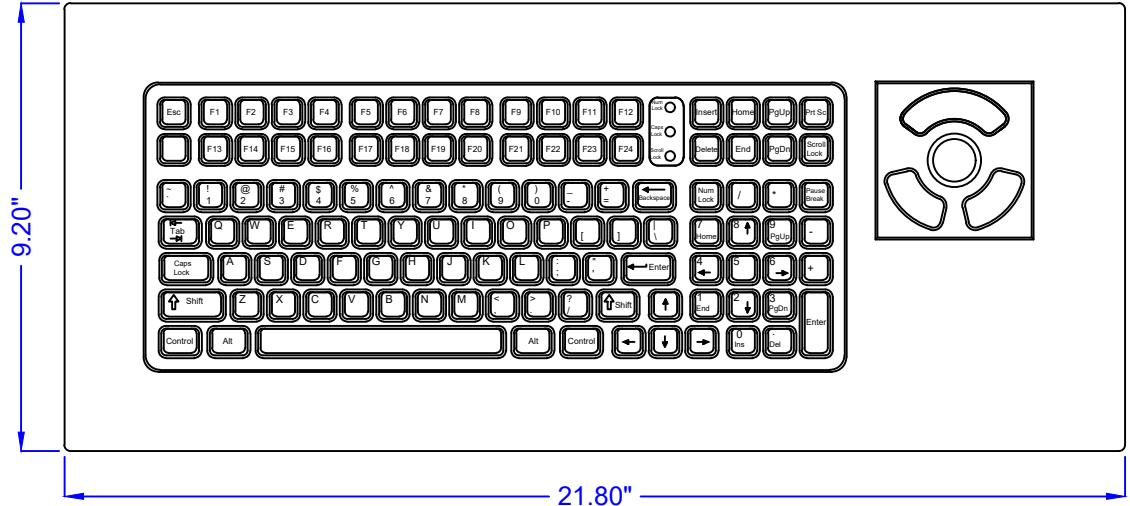
PM-2000-FSR-NI

DATE	CHANGES	INTL	REV
06.14.18	Original	ALH	1.0
07.31.18	Added isolation barrier to wiring concept	ALH	1.1
09.13.18	Removed isolation barrier, added Nonincendive Field Wiring to concept	ALH	1.2
01.08.19	Added Pepperl & Fuchs isolation barrier	ALH	1.3
05.14.19	Added PS2-IS-BARRIER and removed Pepperl & Fuchs barrier	CW	2.0

DESCRIPTION: The PM-2000-FSR-NI 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 Non-Incendive Certification.

USE: The PM-2000-FSR-NI is designed for use in Hazardous Locations as detailed below. The keyboard must be used in combination with the iKey PS2-IS-BARRIER.

MAINTENANCE: There are no serviceable parts on this assembly.



CERTIFICATION AND OPERATING SPECIFICATIONS:

NON-INCENDIVE:
Class I, Division 2, Groups A/B/C/D

TEMPERATURE CLASS:
T4 (-40°C ≤ T4 ≤ +75°C)

ENCLOSURE TYPE:
Type 4X

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

POWER:
Reference Drawing Number HL0071 for Power Requirements

WEIGHT:
5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.05 kg)

No revision to drawing w/o prior FM approval

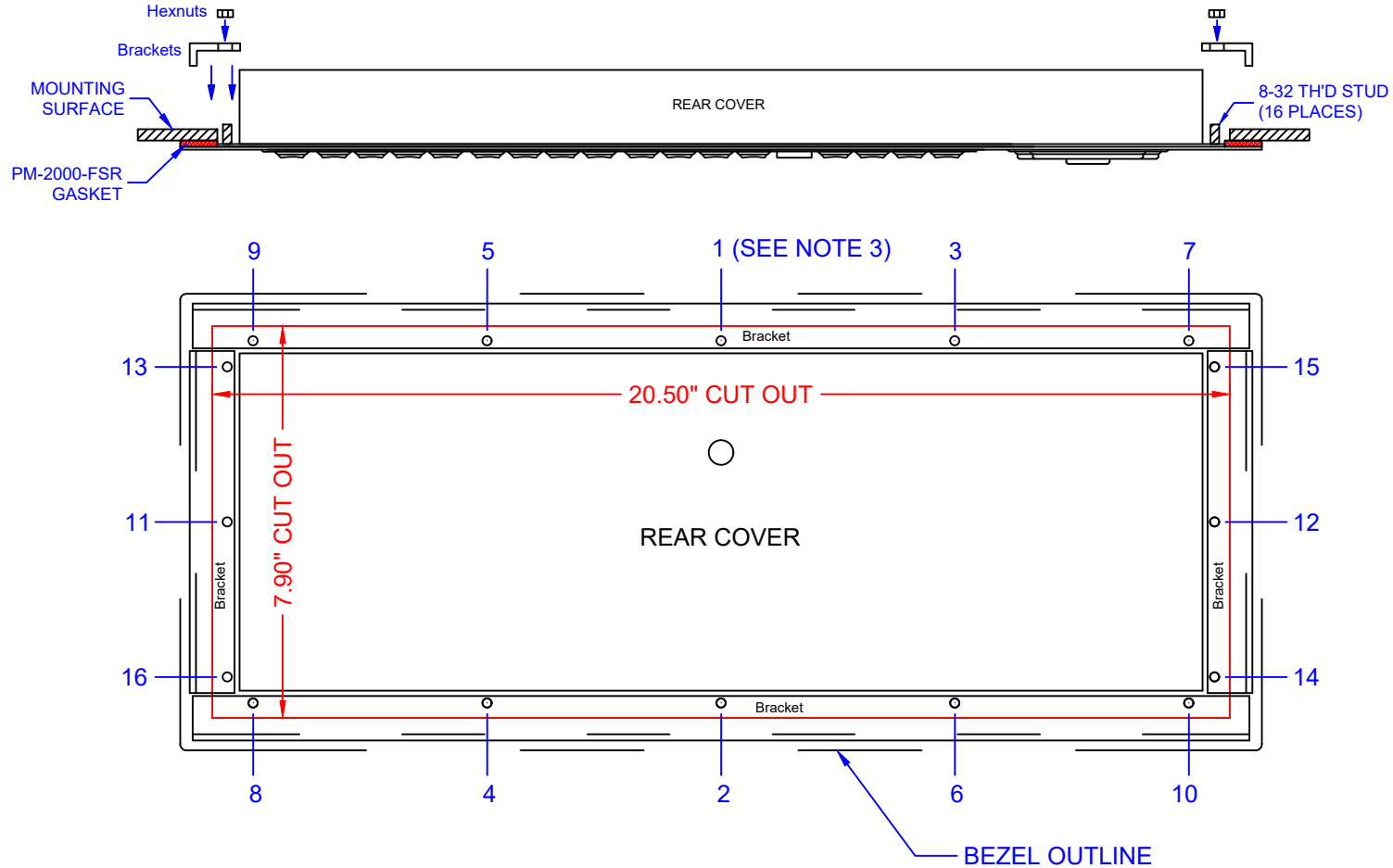
PROPRIETARY AND CONFIDENTIAL

iKey, Ltd. 2621 Ridgpoint Dr. Suite 235 Austin, Texas 78754 Voice: (512) 837-0283 Fax: (512) 927-8530	©2019 iKey, Ltd.	Part Number: PM-2000-FSR-NI	Drawing Number: MKT0444	Sheet: 1 OF 3	
		Drawing Title: PM-2000-FSR-NI-MKT	Revision: 2.0	Date: 05.14.19	CW

INSTALLATION: The PM-2000-FSR-NI the PS2-IS-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 501, ANSI, NFPA 70, reference Drawing Number HL0071. Ensure all directions detailed below are followed:

1. Place the PM-2000-FSR-NI in the 20.50" x 7.90" 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.

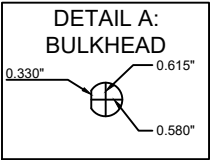


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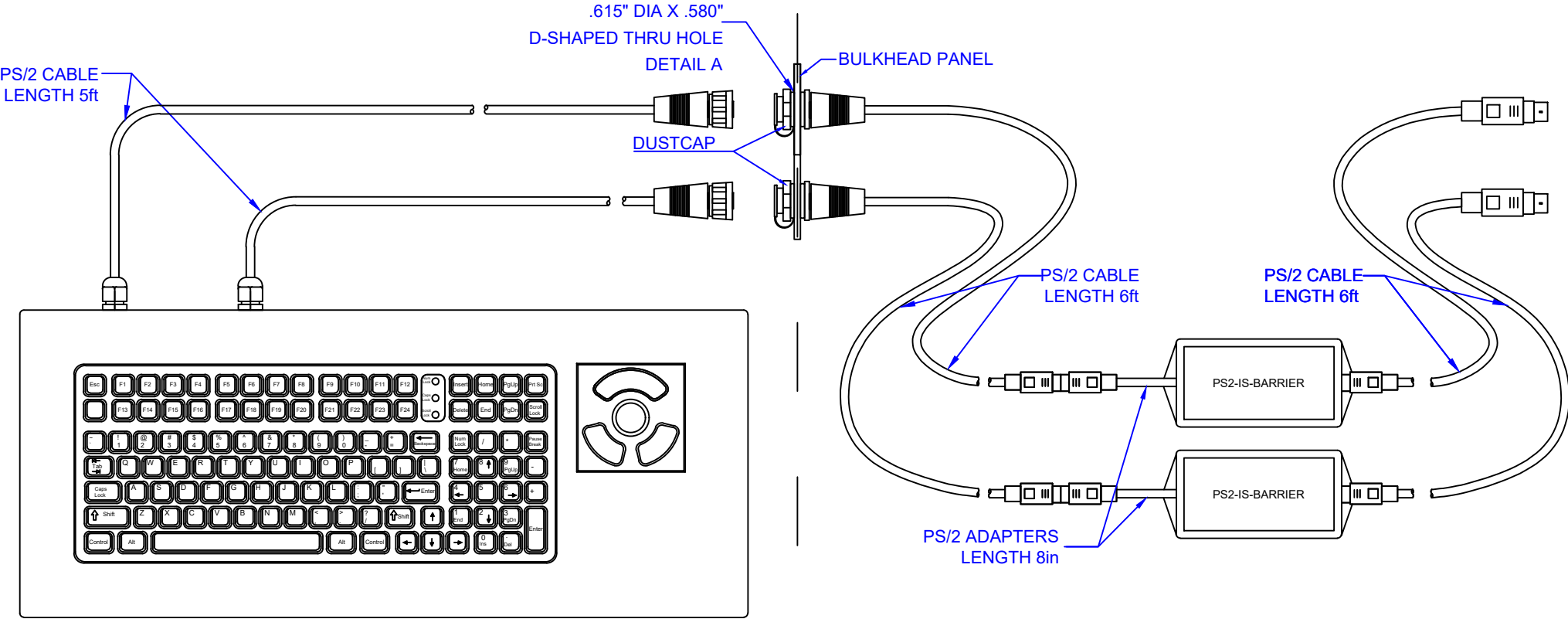
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ASSEMBLING AND DISMANTLING: The PM-2000-FSR-NI keyboard must be assembled the PS2-IS-BARRIER as shown in the connection diagram below and in accordance with Drawing Number HL0071. There are no serviceable parts in this assembly.

Hazardous (Classified) Location



Non Hazardous (Unclassified) Location



No revision to drawing w/o prior FM approval

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