

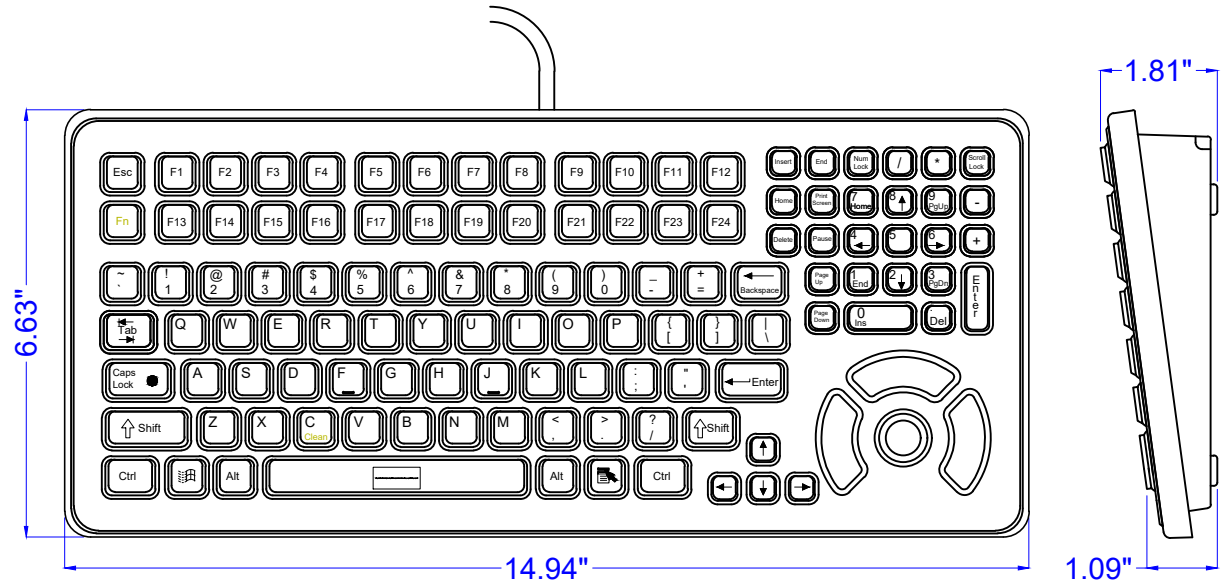
# DU-5K-FSR-NI

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

**DESCRIPTION:** The DU-5K-FSR-NI combines a Force Sensing Resistor pointing device with a 10-key numeric keypad in a ruggedized polycarbonate case carrying the FM Approvals Nonincendive Certification.

**USE:** The DU-5K-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

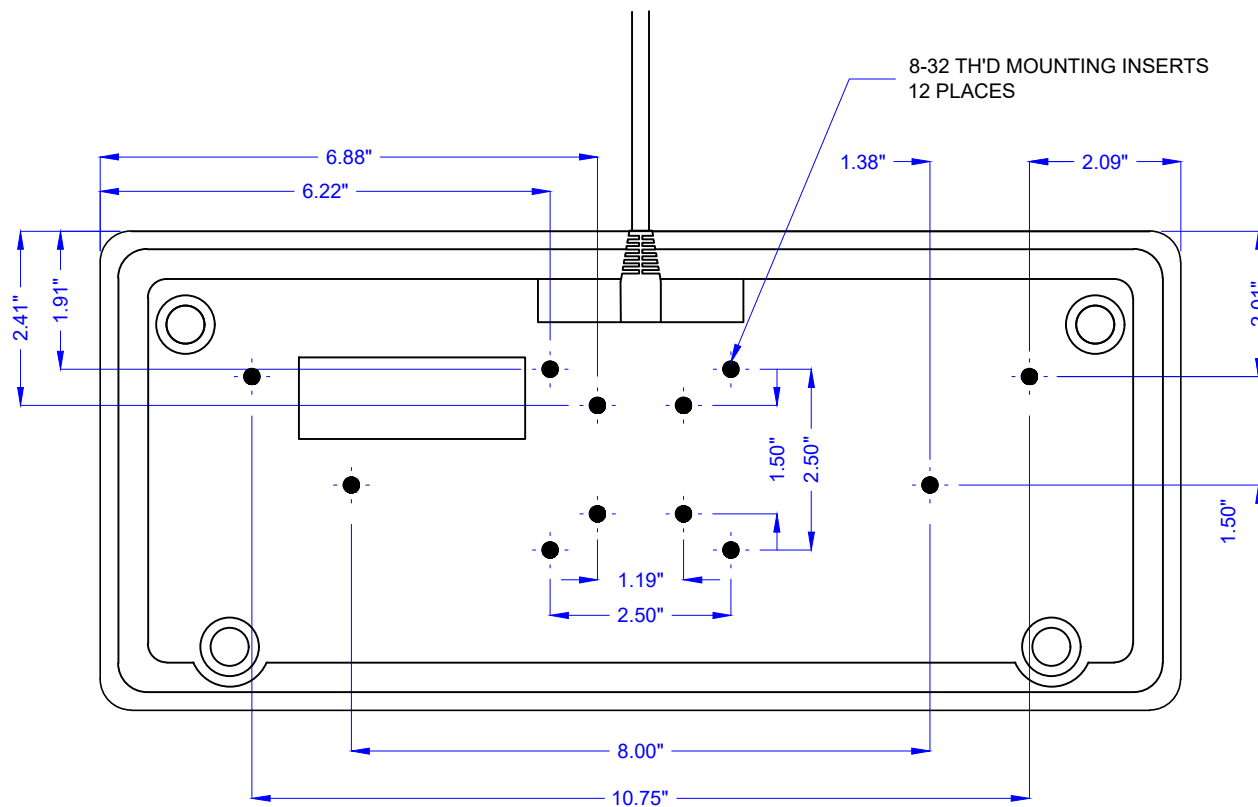
**POWER:**  
Reference Drawing Number HL0073 for Power Requirements

**WEIGHT:**  
2.25 lbs +/- 0.10 lbs (1.02 kg +/- 0.05 kg)

No revision to drawing  
w/o prior FM approval

PROPRIETARY AND CONFIDENTIAL

INSTALLATION: The DU-5K-FSR-NI and 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 HL0073.



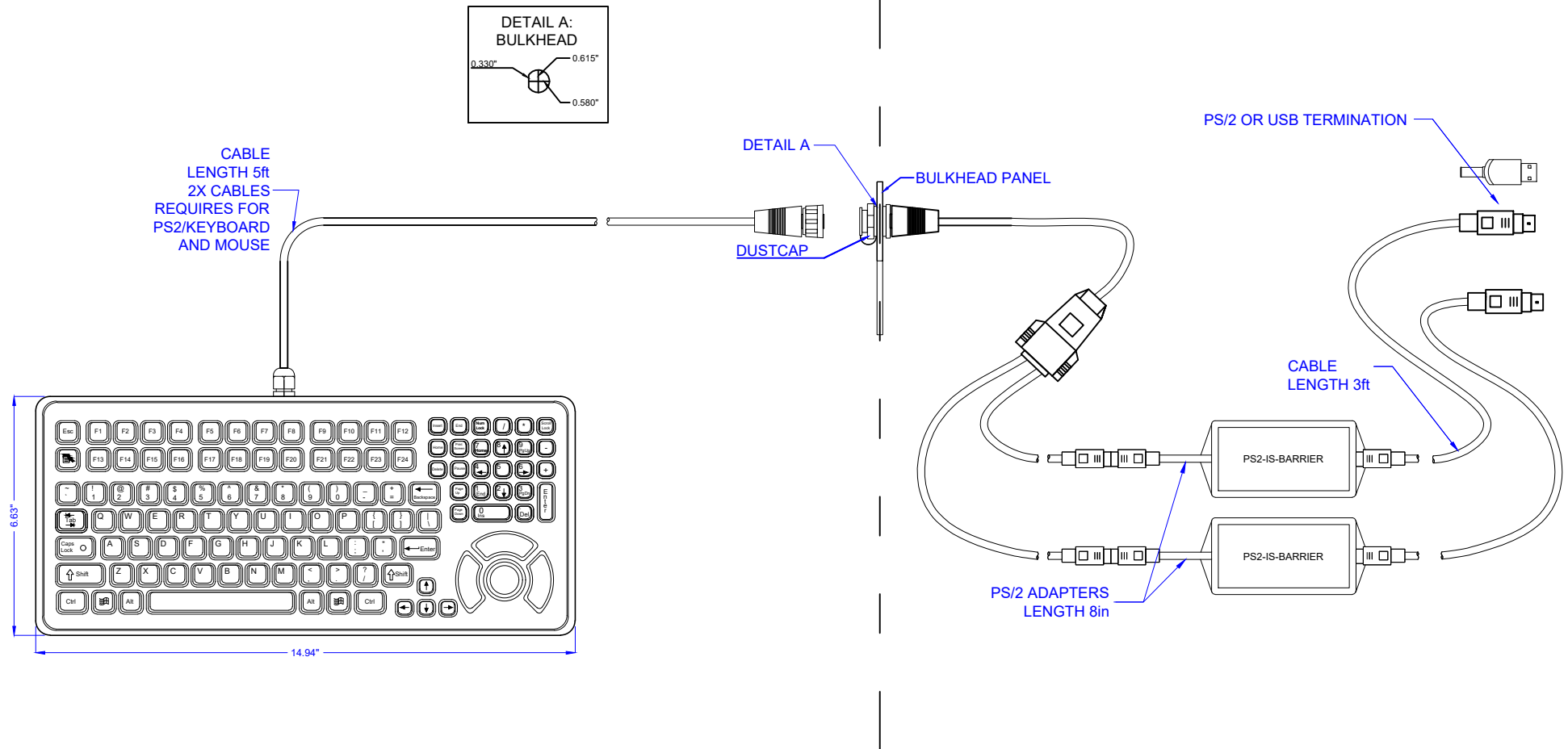
No revision to drawing  
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PROPRIETARY AND CONFIDENTIAL

ASSEMBLING AND DISMANTLING: The DU-5K-FSR-NI keyboard must be assembled with the PS2-IS-BARRIER as shown in the connection diagram below and in accordance with Drawing Number HL0073. There are no serviceable parts in this assembly.

Hazardous (Classified) Location

Non Hazardous (Unclassified) Location



No revision to drawing w/o prior FM approval

PROPRIETARY AND CONFIDENTIAL