DATE	CHANGES	INTL	REV
08.03.18	Original	ALH	1.0
08.17.18	Removed Note 5	ALH	1.1
05.14.19	Added new isolation barrier option	ALH	2.0

Non Hazardous (Unclassified) Location Hazardous (Classified) Location Class I, Div 1 Groups C, D Class II, Div 1 Groups E, F, G Class III Non-Hazardous Hazardous Location 1 Location **IS-BARRIER** 1 Mounted Mounted Equipment Equipment

Application Notes

- 1. Supply, Clock, and Data leads to be wired through P070-000AAA-01 EX210 IS Device Isolator or iKey's PS2-IS-BARRIER as shown above
- 2. Reference connection to ISA standard RP 12.06.01.
- 3. Installation shall be in accordance with the NEC, Article 504, ANSI/NFPA 70
- 4. Observe barrier manufacturer's installation instructions

Cable Parameters

P070-000AAA-01 EX210 IS Device Isolator

	Groups C, E	Groups D, F, G
Max Cable Capacitance	558.49 uF	988.49 uF
Max Cable Inductance	138 uH	388 uH

iKey PS2-IS-BARRIER

	Groups C, E, F, G	
Max Cable Capacitance	105.5	960uF
Max Cable Inductance	228 uH	456 uH

Specifications: Hazardous Location Devices

DT-1000-IS: Intrinsically safe Class I,II,III Div 1 Groups C,D,E,F,G PM-1000-IS: Intrinsically safe Class I,II,III Div 1 Groups C,D,E,F,G

Intrinsic Safety Barrier Specifications P070-000AAA-01 EX210 IS Device Isolator OR iKey PS2-IS-BARRIER

No revision to drawing w/o prior FM approval

		Part Number: DT-1000-IS and PM-1000-IS	Drawing Number: HL0076	Sheet: 1 OF 1	
FFF IKey IKey, LI 2621 Ridgpoi Austin, Texas	int Dr. Suite 235 s 78754 Voice: (512) 837-0283 Fax: (512) 927-8530	Drawing Title: HL0076 DT_PM-1000-IS Control Drawing	Revision: 2.0	Date: 05.14.19	CW