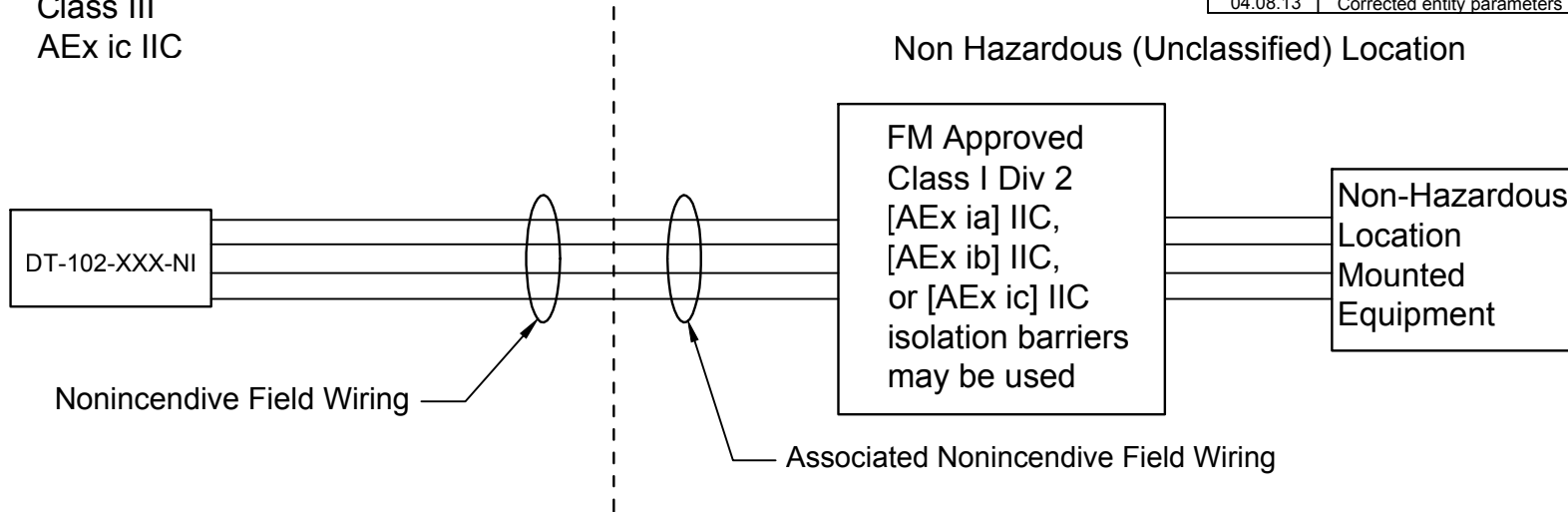


Hazardous (Classified) Location  
 Non Incendive  
 Class I, Div 2 Groups A, B, C, D  
 Class II, Div 2 Groups F, G  
 Class III  
 AEx ic IIC

DATE	CHANGES	REV
08.23.11	Original	1.0
10.03.11	Modified Isolation barrier	1.1
11.15.11	Added UV Condition of Use	1.2
01.13.12	Updated notes according to FM request	1.3
01.24.12	Updated notes according to FM request	1.4
02.01.12	Updated notes according to FM request	1.5
02.14.12	Updated notes according to FM request	1.6
10.15.12	Improved entity parameters	1.7
04.01.13	Added cabling option. Updated operating temp.	1.8
04.08.13	Corrected entity parameters	1.9

Non Hazardous (Unclassified) Location



**Application Notes**

1. Supply, clock and data leads to be wired through Intrinsic Safety Isolation 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. The non incendive field wiring circuit allows interconnection of non incendive field wiring apparatus with associated non incendive field wiring apparatus, using any of the wiring methods permitted for unclassified locations

**Hazardous Location Ratings**

DT-102-XXX-NI: Non Incendive;  
 Class I, II, III Div 2  
 Groups C, D, E, F, G  
 AEx ic IIC

Where XXX= PS2, CX, USB, or F6

**Entity Parameters**

Ui	Ii	Pi	Ci	Li
5.4V	135mA	0.7W	63.23 μF	2.41μH

**Nonincendive Field Wiring Parameters**

Ui	Ii	Pi	Ci	Li
6.51V	730mA	1.01W	63.23 μF	2.41μH

Note: Um not to exceed 7V

**Approved to US Standards**

FM 3600, FM 3611, FM 3810, ANSI/ISA 60079-0,  
 ANSI/ISA 60079-11, ANSI/IEC 60529, ANSI/NEMA 250

No revision to drawing  
 w/o prior FM approval

PROPRIETARY AND CONFIDENTIAL



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Part Number: DT-102-PS2-NI, DT-102-CX-NI, DT-102-USB-NI, DT-102-F6-NI

Drawing Number: HL0018

Drawing Title: DT-102-XXX-NI CONTROL DRAWING (1.9)

Revision: 1.9

Sheet: 1 OF 3

Date: 04.08.13

TWH

## DT-102-XXX-NI Keyboard

Where XXX= PS2, CX, USB, or F6

### Installation

- This keyboard is design to operate in either indoor or outdoor environment.
- The keyboard is furnished with (4) 8-32 VESA mounting holes on the back plate of the keyboard.
- The mounting method used must be able to support the weight of the unit under shock and vibrations conditions for the given application.

### Use

- Keyboard is to be used as a standard HID peripheral.
- This equipment is suitable for US zone Rating AEx ic IIC, T4, Class I Div 2 Groups A, B, C, D, T4, Class II Div 2 Groups F,G, T4, Class III, T4, Ta= -40°C to +60°C IP66 when installed using approved isolation barriers FM approved for US zone Rating [AEx ia] IIC, [AEx ic] IIC, or [AEx ib] IIC; Associated Non-incedive for Class I, Div 2, Groups A, B, C, D.

### Assembly, Dismantling and Maintenance

- The DT-102-XXX-NI is manufactured to meet IP66 standards. Care must be taken to ensure the enclosure is not damaged due to mishandling which could compromise the seal. If the enclosure is damaged then the unit must be returned to the manufacturer for repair.
- All components and interconnects have been secured during the manufacturing process. It is not necessary to inspect the internal components. If internal damage is suspected the unit should be returned to the manufacturer for repair.
- There are no field serviceable components on the keyboard. Any repairs that are necessary must be performed at the manufacturer.
- Cables should be regularly examined for physical damage. If damage is visible, the keyboard should be returned to the manufacturer for repair.
  
- FM Approval: Condition of Use
- Warning- To avoid electrostatic discharge when cleaning the keyboard touchpad, use a damp cloth.
- Warning- Substitution of Components may impact intrinsic safety.
- Warning- As a special condition of use, the keyboard connector plug must provide bonding to the supply ground.
- Warning- As a special condition of use, the keyboard must be installed where it is protected from light (for example daylight or light from luminaries).

No revision to drawing  
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Part Number: DT-102-PS2-NI, DT-102-CX-NI, DT-102-USB-NI, DT-102-F6-NI

Drawing Number: HL0018

Drawing Title: DT-102-XXX-NI CONTROL DRAWING (1.9)

Revision: 1.9

Sheet: 2 OF 3

Date: 04.08.13

TWH

DT-102-XXX-NI  
 Where XXX= PS2, CX, USB, or F6

Non Incendive  
 CLASS I,II,III, DIV 2  
 Groups A, B, C, D, F, G, T4  
 US Zone Rating AEx ic IIC  
 T4, Ta= -40°C to +60°C, IP 66  
 WHEN INSTALLED IN  
 ACCORDANCE WITH DRAWING  
 NO. HL0018  
 MAX AMBIENT TEMP 60° C  
 NORMAL SUPPLY VOLTAGE +5V



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Reg# 338263

Model#: DT-102-XXX-NI

Serial#: BAK0????????



KYB Rev: ???-???

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Part Number: DT-102-PS2-NI, DT-102-CX-NI, DT-102-USB-NI, DT-102-F6-NI		Drawing Number: HL0018		
Drawing Title: DT-102-XXX-NI CONTROL DRAWING (1.9)		Revision: 1.9	Sheet: 3 OF 3	Date: 04.08.13
				TWH