BT-87-TP-IS

Bluetooth®-Compatible, Intrinsically Safe Keyboard

The BT-87-TP-IS is a Bluetooth®-compatible keyboard built to be intrinsically safe for use in hazardous locations. It is Factory Mutual (FM) approved for Class I, II, and III, Division I, Groups C, D, E, F and G. **It costs up to 35% less than wired intrinsically safe keyboards and does not require cables or barriers.** This fully-sealed keyboard is designed to meet NEMA 4X specifications, meaning it is resistant to dirt, dust, water, ice and corrosives. It has a 30-foot RF range and works with systems in enclosures. The compact design, integrated touchpad and internal Bluetooth® module make the BT-87-TP-IS highly portable. It requires 2 AA batteries and does not require a USB dongle if the host computer has an internal Bluetooth® radio. If the host computer does not have an internal Bluetooth® radio, a separate USB dongle can be purchased for the keyboard to function.
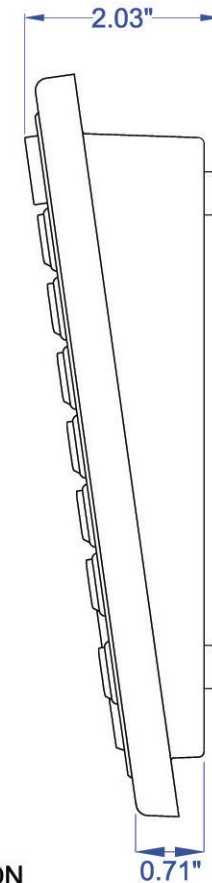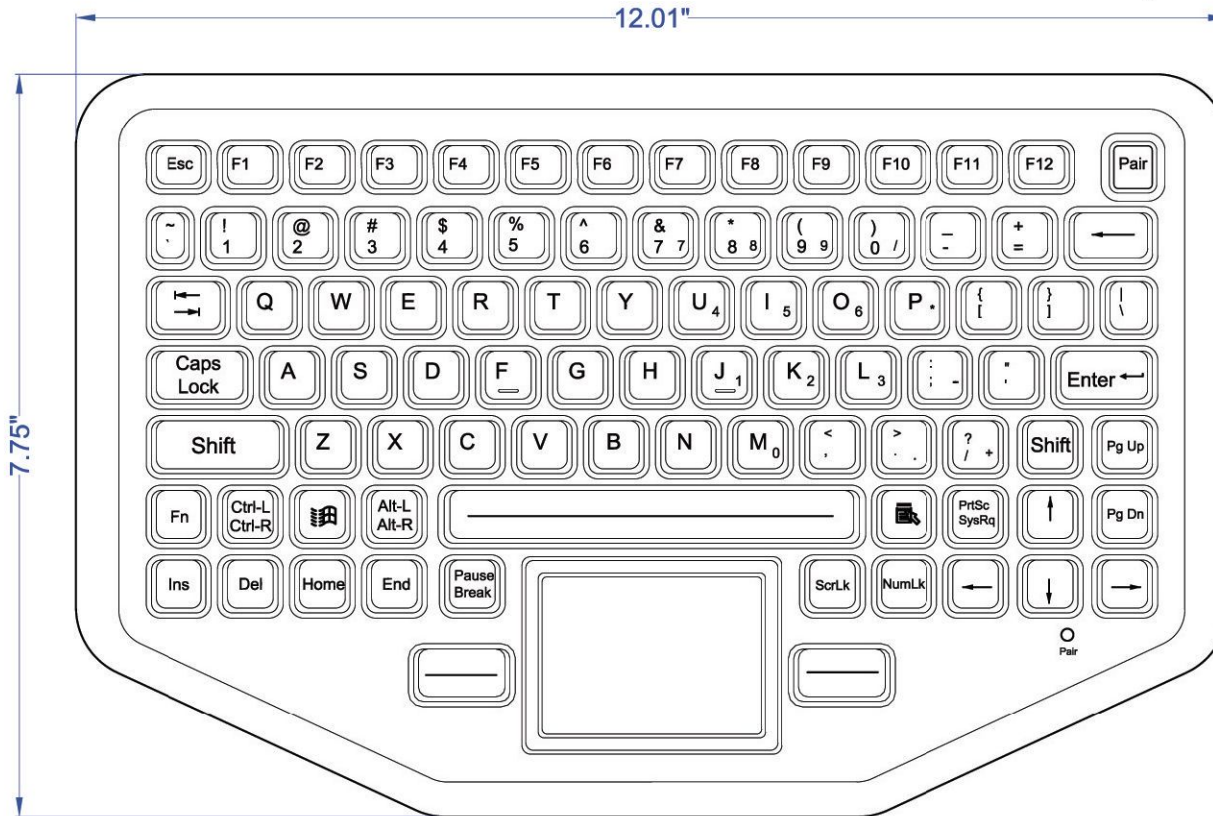
Technical Specifications

Certifications	NEMA 4X, CE UL60950, FCC Part 15, Class B Factory Mutual Class I, II, and III, Division I, Groups C, D, E, F and G
Shock	3 x 11 ms pulses of 50g on each of 3 axes
Key Switch	MATERIAL: Industrial Silicone Rubber LIFE: Greater than 10 Million Cycles TRAVEL: 0.055 in. (1.4 mm) ACTUATION FORCE: 7.03 oz +/- 1.06 oz. (200g +/- 30g) FEEDBACK: Tactile with Mechanical Snap
Vibration	POWER SPECTRAL DENSITY: .04g/HZ FREQUENCY RANGE: 20Hz-2Khz DURATION OF TEST PER AXIS: 3 hours
Power	Bluetooth®: 2 AA Batteries
Compatability	All Windows OS
Temperature Range	STORAGE: -40C to +65C (-40F to +149F) OPERATING: 0C to +60C (+32F to +140F)
Weight	2.00 lbs +/- 0.10 lbs (0.91 kg +/- 0.05 kg)
Warranty	1 year limited
Humidity	100% Humidity Resistant
Dimensions	12.01" x 7.75" x 2.03" (w-h-d) 305.54 mm x 196.85 mm x 51.56 mm
Model Numbers	BT-87-TP-IS

Features and Benefits

- 12 Function Keys
- Class 2 Output Power
- Intrinsically Safe for Hazardous Environments
- Bluetooth®- compatible version 2.0

- Built-In Mounting Holes
- Integrated Touchpad
- Up to a 30-foot Range

BT-87-TP-IS

12.01"

2.03"

7.75"

0.71"

SCALE: 1:2

KEY SWITCH

MATERIAL: Industrial Silicone Rubber
LIFE: Greater Than 10 Million Cycles
TRAVEL: 0.055 in.
ACTUATION FORCE: 7.05 oz. +/- 1.06oz (200g +/- 30g)
FEEDBACK: Tactile with Mechanical Snap

POWER

BLUETOOTH WIRELESS:
Two AA batteries specified on Control Drawing HL0010

TEMPERATURE RANGE

STORAGE: -40°F to +149°F (-40°C to +65°C)
OPERATING: +32°F to +140°F (0°C to +60°C)

HUMIDITY

100% Humidity Resistant

VIBRATION

POWER SPECTRAL DENSITY: .04g²/HZ
FREQUENCY RANGE: 20Hz-2Khz
DURATION OF TEST PER AXIS: 3 hours

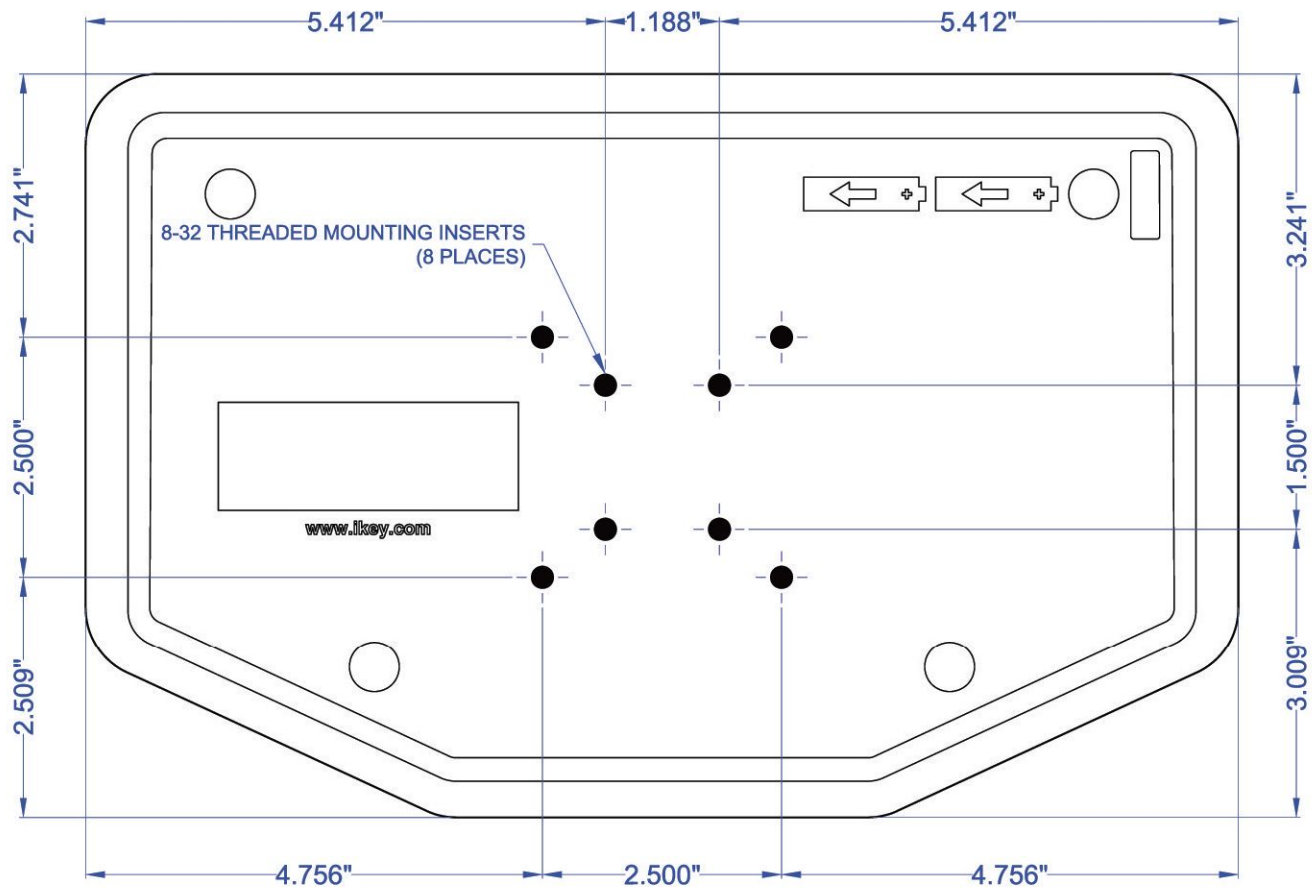## SHOCK

3 X 11 ms pulses of 50g on each of 3 axis

WEIGHT

2.00 lbs +/- 0.10 lbs (0.91 kg +/- 0.05 kg)

Part Number:	BT-87-TP-IS	Drawing Number: MKT0213	Sheet: 1 OF 2	
Drawing Title:	BT-87-TP-IS-MKT	Revision: 1.0	Date: 08.27.09	JWB

BT-87-TP-IS BACK / MOUNTING

5.412"   1.188"   5.412"

2.741"

3.241"

8-32 THREADED MOUNTING INSERTS
(8 PLACES)

2.500"

1.500"

www.ikey.com

2.509"

3.009"

4.756"   2.500"   4.756"

ENCLOSURE CASE: ABS/Polycarbonate

SCALE: 1:2

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