

## Technical Datasheet



### MIL Key Keyboard

Indigenous Technology : Designed, Developed & Manufactured by Keetronics (India) Pvt. Ltd.

This rugged keyboard exceeds NEMA 4X requirements when properly installed and is fully submersible, meeting IP68 specifications.

Include a ESD safe plastic enclosure,

Adjustable green backlighting

(Can be available in a night vision-compatible configuration), and an integrated Interlink Electronics Force Sensing Resistor (FSR) pointing device.

### Features:

Adjustable backlighting

Integrated FSR pointing device

### -Technical Specification

#### • Electrical:

- Power Supply: 5V/DC, Current Input: 300mA
- Interface: USB
- USB Cable Length : Approx. 1.8Meter
- Compatible with all Microsoft Windows /MAC / Linux

#### • Mechanical

- Number of Keys: 88 Keys + 2 keys with FSR Pointer
- Individual key life cycle: 10 million key strokes
- Key actuation force: 200g ±30g
- Key travel: 1.5mm ±0.3mm
- Key Switch Material: Industrial Silicone Rubber

#### • Environmental

- Vibration : Frequency Range - 5 to 33Hz
- Shock Test : Peak acceleration - 50G

#### • Others

- Operating temperature: -30°C to +70°C
- Storage temperature: -40°C to +75°C
- Humidity: 90-95% Resistant
- Dimensions (L-W-T): 290.8mm x 173.8mm x 24mm(Excluding key height) Tol. ±2mm
- Warranty: 1 Year
- Weight: 1200 Gm

#### • USB Pinout Table

USB	
PIN	Definition
1	VDD/5V
2	D-
3	D+
4	GND

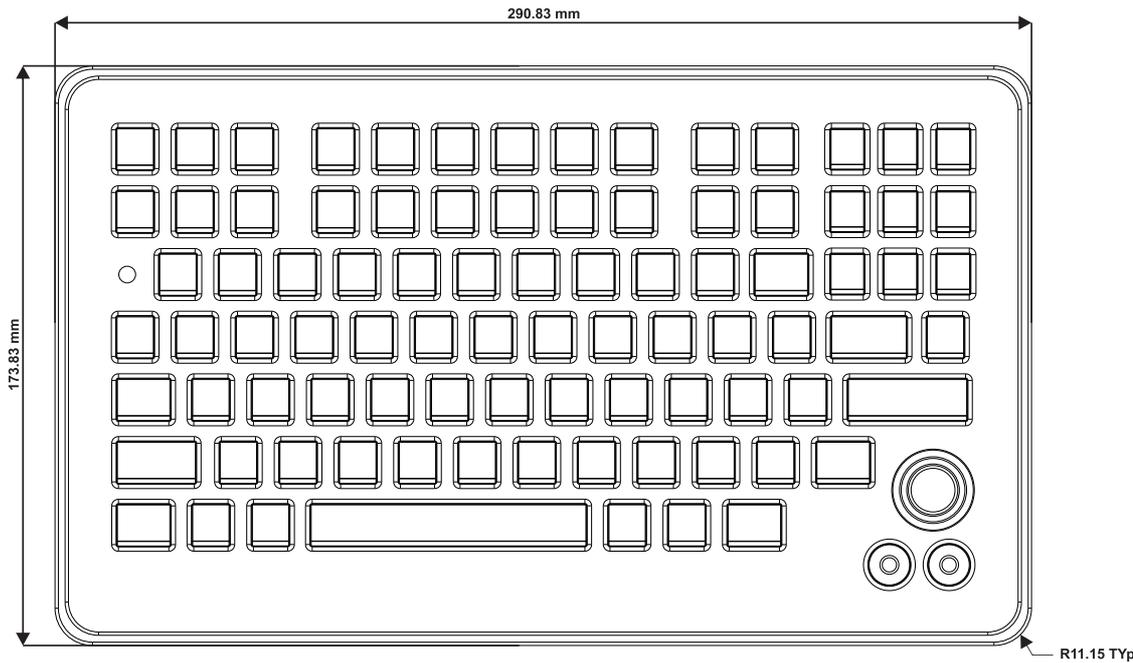
### Note:-

Keetronics has ensured that the design meets the required specifications; however, it is the customer's responsibility to assemble the product with the appropriate bezel and conduct testing as part of the complete unit to verify compliance and functionality.

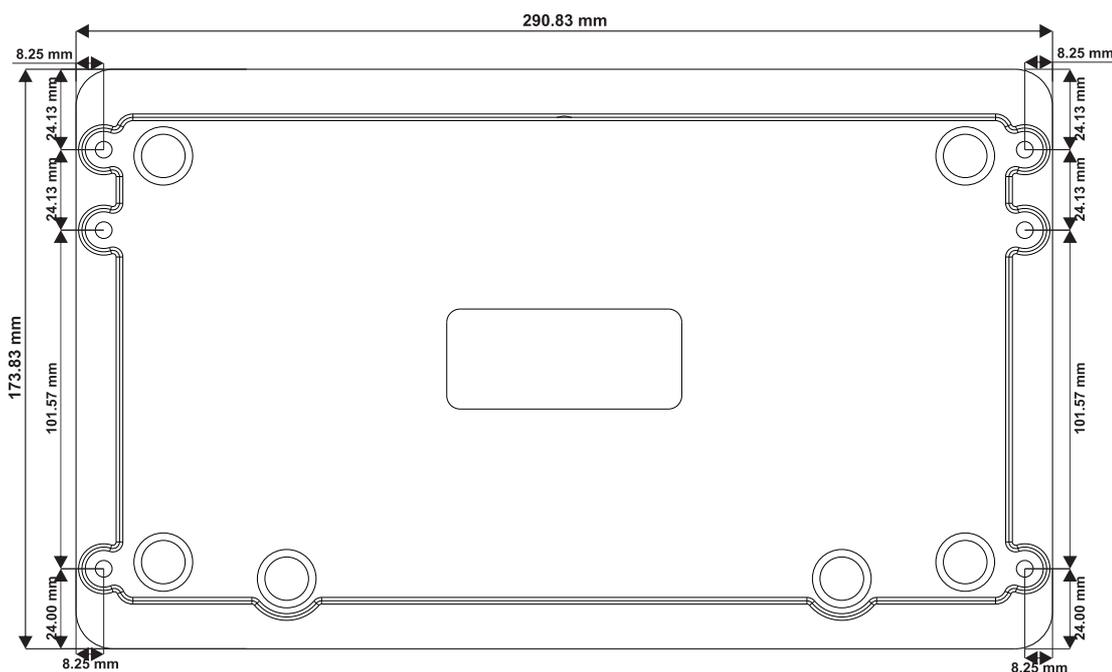
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### KEYBOARD DIMENSIONS & MOUNTING DETAILS:

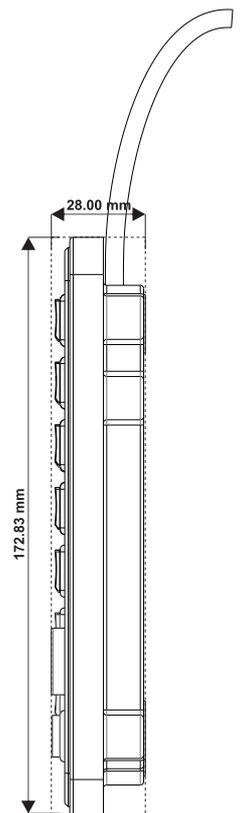
#### TOP VIEW



#### BOTTOM VIEW - HORIZONTAL FLIPPED



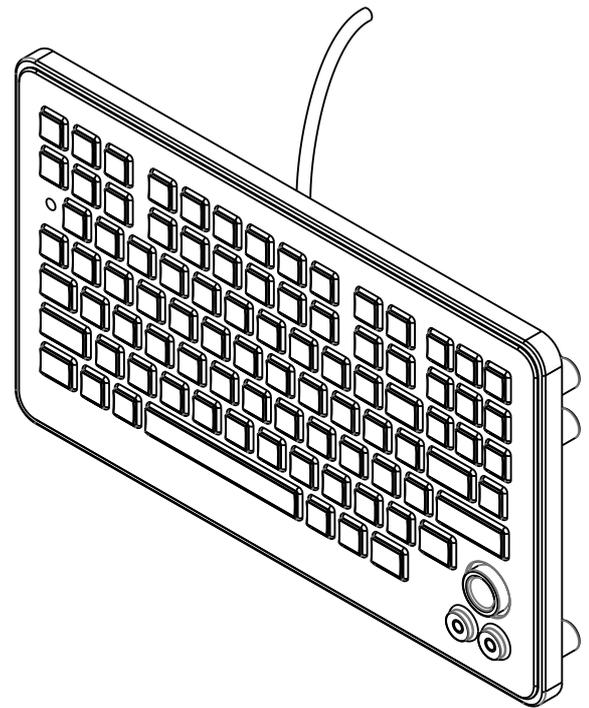
#### SIDE VIEW



#### Note:-

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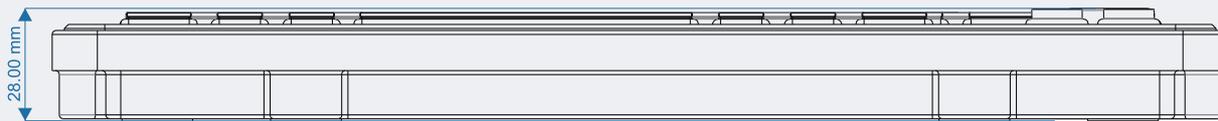
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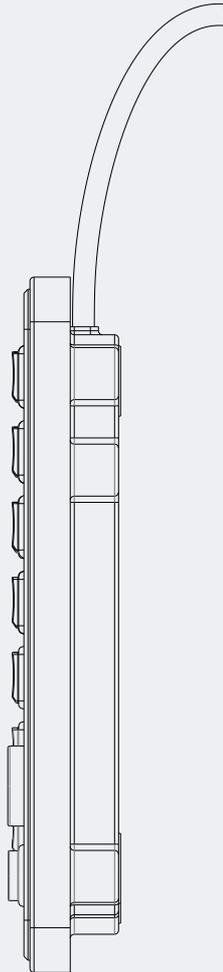
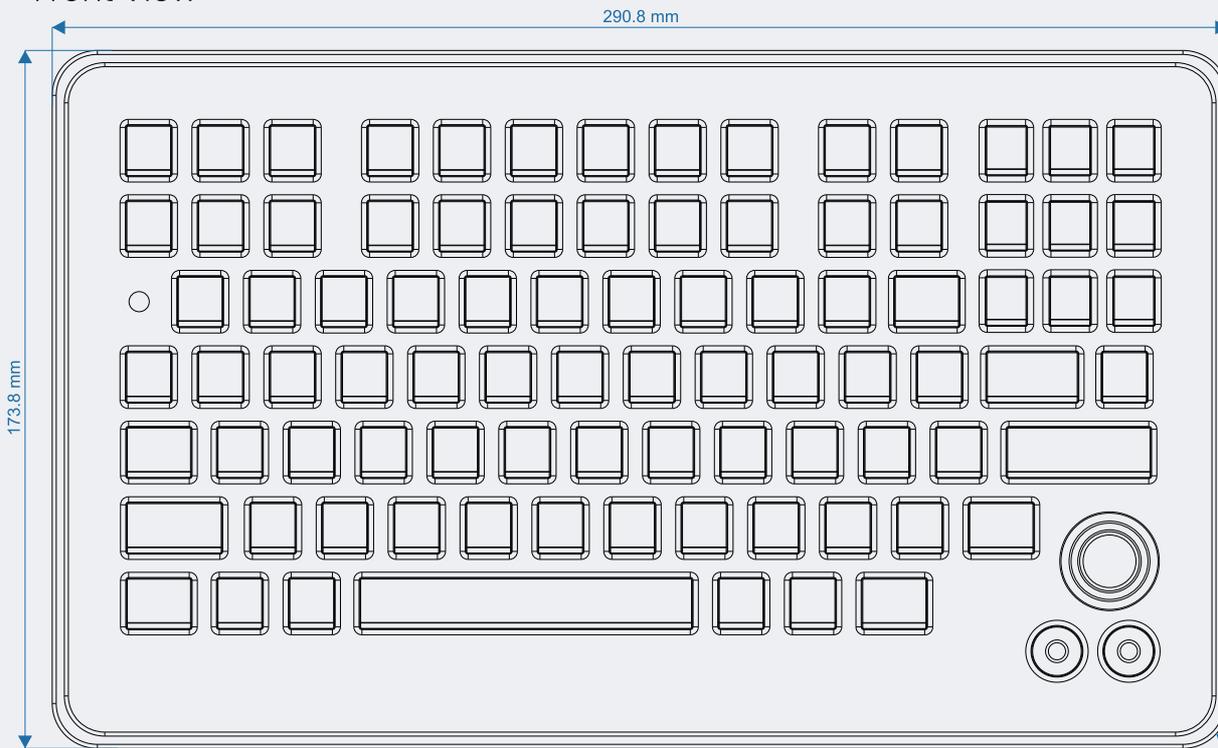
### Mechanical Drawing

-Side View

-Side View



-Front View



## -MIL Key Keyboard Features

### -Environmental Protection

- Compliance for NEMA 4X standards.
- IP 68 Compatible  
(dust tight and protected against continuous submersion in water).

### -Construction & Design

- ESD safe enclosure case.
- Built for rugged and industrial environments.

### -Backlighting

- Adjustable green backlighting for low-light use. Other color also available.
- Optional NVIS (Night Vision Imaging System) compatible configuration.

### -Integrated Pointing Device

- Features an Interlink Electronics Force Sensing Resistor (FSR) – a pressure-sensitive pointing device ideal for environments where a traditional mouse isn't practical.

## -Technical Specification

### • Electrical:

- Power Supply:
  - USB: +5V/DC
- Current Input:
  - USB: 300mA
- Interface: USB  
Compatible with all Microsoft Windows /  
MAC / Linux
- USB Cable Length : Approx. 1.8Meter

### • Others

- Storage temperature: -40°C to +75°C
- Operating temperature: -30°C to +70°C
- Operating humidity: 90-95% Resistant
- Dimensions (L-W-T): 290.8mm x 173.8mm x 24mm(Excluding key height) Tol. ±2mm

### • Mechanical

- Number of Keys: 88 Keys + 2 keys with FSR Pointer
- Individual key life cycle: 10 million key strokes
- Key actuation force: 230g ±30g
- Key travel: 1.5mm ±0.3mm
- Key Switch Material: Industrial Silicone Rubber

### • USB Pinout Table

USB	
PIN	Definition
1	VDD/5V
2	D-
3	D+
4	GND

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## -MIL Key Keyboard Features

### -Environmental Protection:

- Compliance for NEMA 4X standards when properly installed.
- Fully submersible, meeting IP68 specifications.  
(dust tight and protected against continuous submersion in water).

### -Construction & Design:

- ESD safe enclosure case.
- Built for rugged and industrial environments.

### -Backlighting:

- Adjustable green backlighting for low-light use.
- Optional NVIS (Night Vision Imaging System) compatible configuration for military or tactical applications.

### -Integrated Pointing Device:

- Features an Interlink Electronics Force Sensing Resistor (FSR) – a pressure-sensitive pointing device ideal for environments where a traditional mouse isn't practical.

## -Technical Specification

- Electrical:
  - Power Supply:
    - USB: +5V/DC
  - Current Input:
    - USB: 300mA
  - Interface: USB(Compatible with all Windows)
  
- Mechanical:
  - Number of Keys: 88 Keys + 2 keys with FSR Pointer
  - Individual key life cycle: 10 million key strokes
  - Key actuation force: 180g ±30g
  - Key travel: 1.5mm ±0.3mm
  - Key Switch Material: Industrial Silicone Rubber
  
- Others:
  - Storage temperature: -40°C to +75°C
  - Operating temperature: -40°C to +70°C
  - Operating humidity: 90-95% Resistant
  - Dimensions (L-W-T): 290.8mm x 173.8mm x 24mm(Excluding key height) Tol. ±0.5mm

-End-