

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

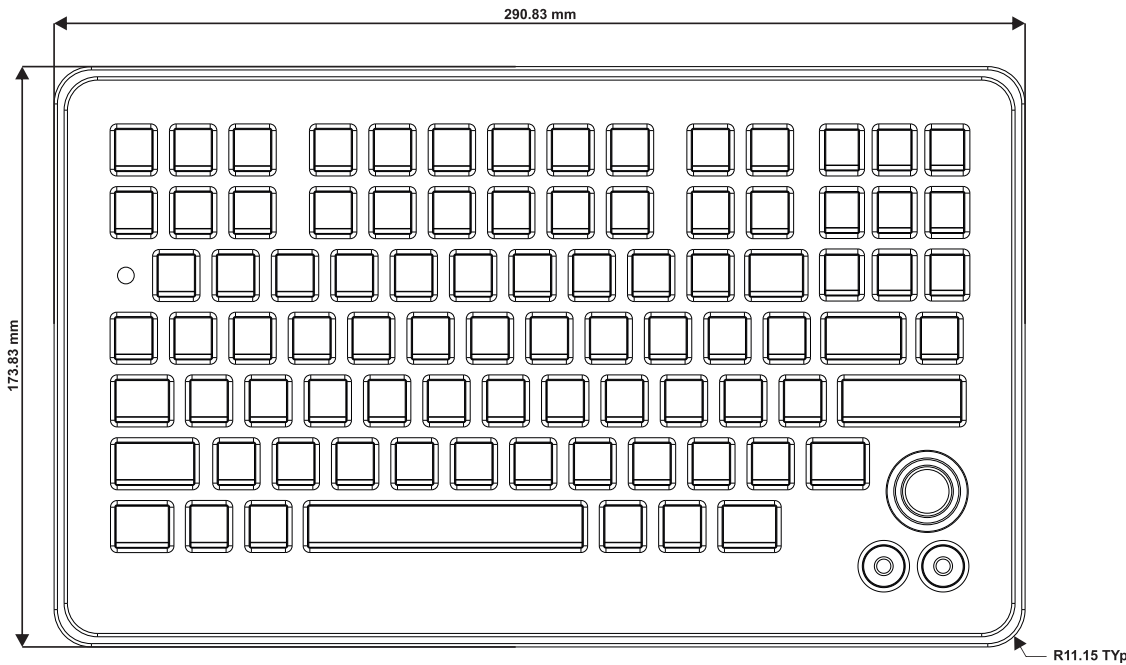
Note:-

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.

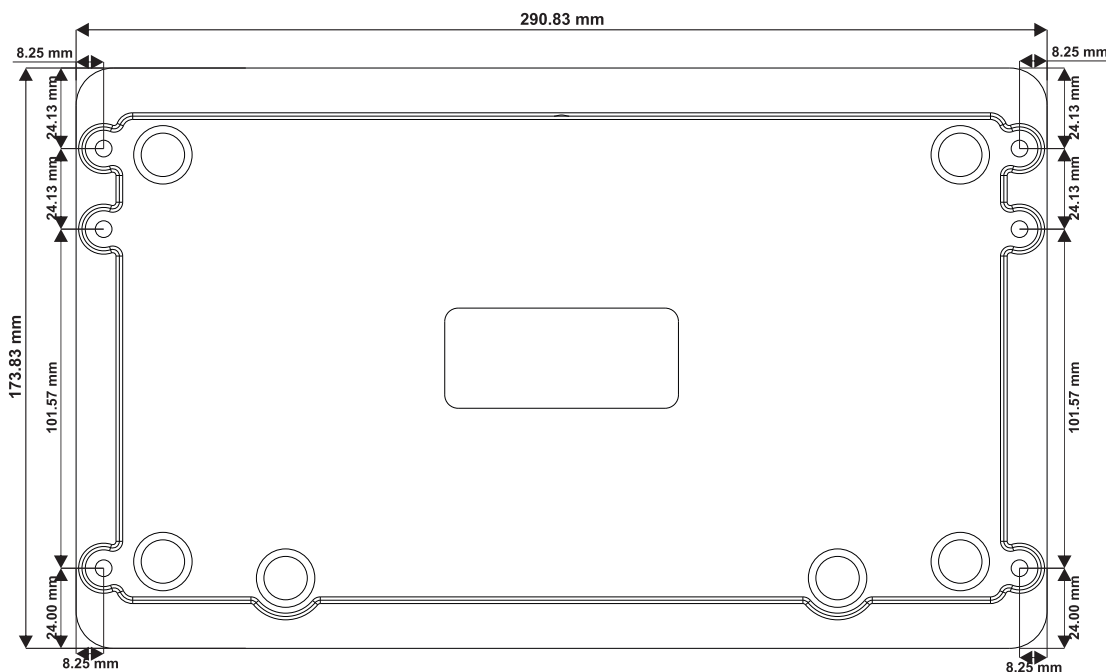
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KEYBOARD DIMENSIONS & MOUNTING DETAILS:

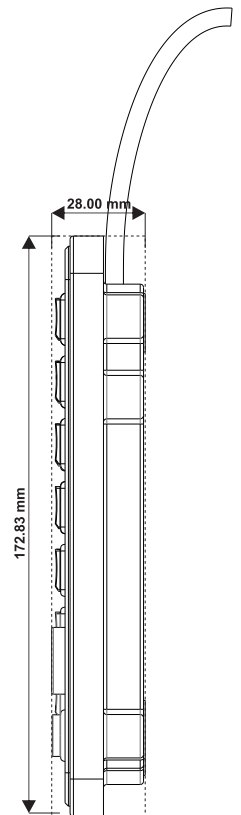
TOP VIEW



BOTTOM VIEW - HORIZONTAL FLIPPED



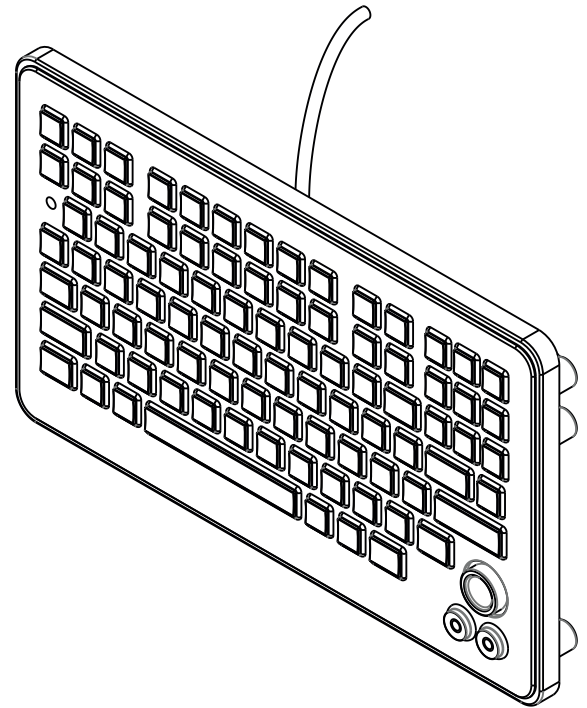
SIDE VIEW



Note:-

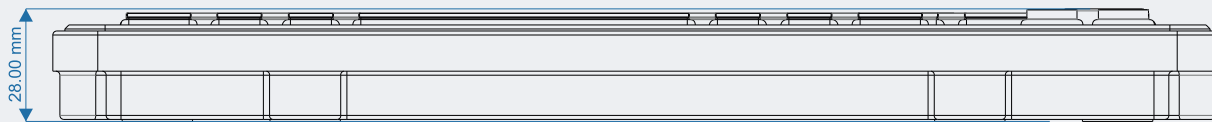
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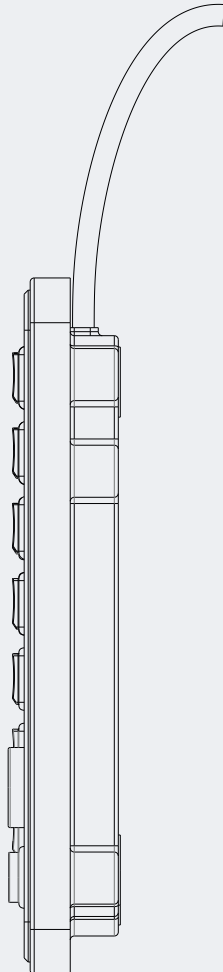


Mechanical Drawing

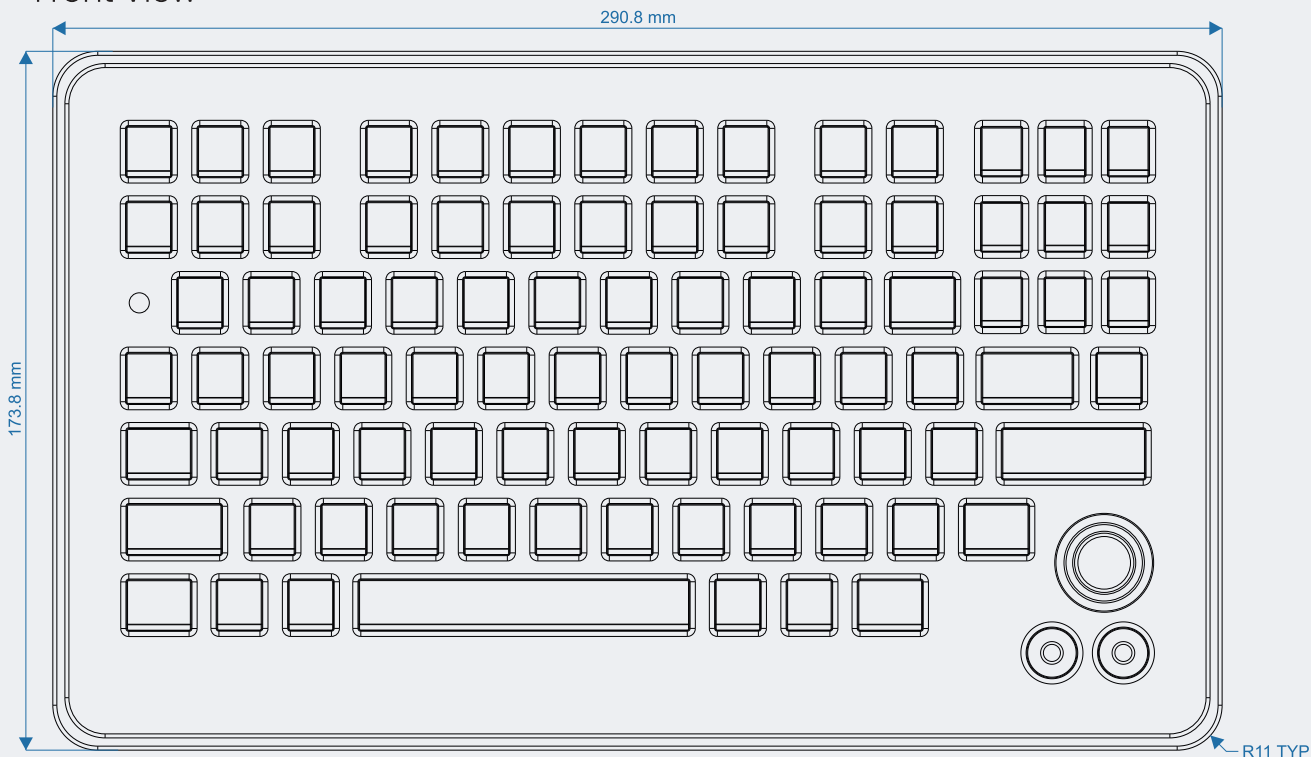
-Side View



-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

• Mechanical

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

• USB Pinout Table

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

• 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. $\pm$ 2mm

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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 $\pm$ 30g
 - Key travel: 1.5mm $\pm$ 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. $\pm$ 0.5mm

-End-