VIOTEL 4-Channel Smart IoT Data Logger User Guide

Contents

CHANNEL SMART IoT DATA LOGGER

MOUNT
Mount the device firmly to your chosen location using a secure mounting method: hidden side bolt mounting holes under flip tabs and/or pole mount bracket for threaded holes.

USING THE MAGNET
Wherever instructed to tap the node using the magnet, do so at the spot indicated "X". Sequential taps must be performed within 3 seconds before the device count resets.
The antenna must be connected firmly to the device before any operations can occur.

CONFIRM STATUS
Tap Once – If the device is off, a solid blue light will
appear from the LED. Proceed to step 4. – If the device is on, a green light then yellow
light will appear from the LED. The device takes 10 quick readings and uploads them before returning to On status after a few minutes.

TOGGLE DEVICE ON
Tap Twice – This will turn the device on followed quickly
by 2 green LED flashes. The device may take serval minutes to update.

VIEW DATA
Please head over to your nodes Dashboard to begin seeing the data. Please refer to the User Manual for more information and a full guide on this device. For queries, email **support@viotel.co**
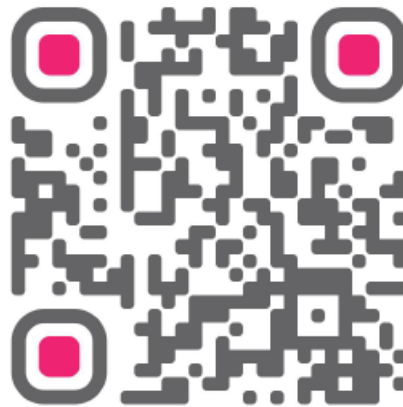
STATUS	
GREEN	On
BLUE	Off
PURPLE	Diagnostic Mode
RED	Device is Busy

COMMS	
BLUE	Communicating with server
YELLOW	Collecting GPS Coordinates
RED	Unable to Communicate

CHANNELS	
CH1	Modbus/RS485
CH2	Strain Guage
CH3	4-20mA (Current Loop)
CH4	4-20mA (Current Loop)

OUR RESONANCE

Resonance describes the phenomenon of increased amplitude that occurs when an external force or a vibrating system is equal or close to the natural frequency of the system on which it acts. Leveraging decades of experience in earthquake analysis and monitoring of mining seismicity, Viotel has a deep understanding of resonance and has developed a unique series of asset management solutions involving monitoring and analysis of vibrations and waveforms. The Virtual SMART IoT Data Node is based on an ultra-low power microprocessor. The node is self-contained with an internal battery, GPS, and cellular (Cat-M1) modem with a pre-installed SIM card. The Virtual SMART node is shipped with 4x adaptors for your sensors or alternatively, you can purchase the plug-to-junction box adapter.

www.viotel.cosales@viotel.co

Documents / Resources

[**VIOTEL 4-Channel Smart IoT Data Logger**](#) [pdf] User Guide
4-Channel Smart IoT Data Logger, 4-Channel, Smart IoT Data Logger, IoT Data Logger, Data Logger, Logger

References

- ᵛ **Viotel - Smart Monitoring Solutions**