



BridgeThings

# SMART STP CONTROLLER

BT-STP-03LG



[www.bridgethings.com](http://www.bridgethings.com)

[Info@bridgethings.com](mailto:Info@bridgethings.com)



# EnviroControl STP Master

Advanced Sewage Treatment Plant Controller



Alerts



Communication

## Product Overview:

The STP Controller is an advanced monitoring and control unit designed for sewage treatment plants (STPs). It offers comprehensive input and output options, along with wireless communication capabilities, continuous monitoring, and advanced alerting features. With its versatile design, the STP Controller provides real-time data visualization, remote management, and efficient control of sewage treatment processes.

## Key Features:

- Multiple Input Options: 2 channels of 4-20mA, RS485 (Modbus), 2 channels of 0-10V, 2 digital inputs.
- Versatile Output Options: 2 channels of 0-10V, 2 relay outputs for controlling contactors.
- Wireless Communication: Supports LoRaWAN, 4G, and WiFi for remote monitoring and control.
- Continuous Monitoring: Real-time monitoring of all input parameters.
- Dashboard Visualization: Provides a user-friendly dashboard for visualizing input parameters.
- Advanced Alerting: Alerts via web notification, mobile notification, SMS, WhatsApp, and voice call with text-to-speech conversion.
- Input Voltage: 24V DC.

## Technical Specifications

### Inputs:

- Analog Inputs: 2 channels, 4-20mA
- RS485 (Modbus): 1 channel
- Analog Inputs: 2 channels, 0-10V
- Digital Inputs: 2 channels

### Outputs:

- Analog Outputs: 2 channels, 0-10V
- Relay Outputs: 2 channels for controlling contactors

### Communication:

- Wireless: LoRaWAN, 4G, WiFi
- Wired: RS485 (Modbus)

### Power Supply:

- Input Voltage: 24V DC

## Applications

- Sewage Treatment Plants
- Industrial Wastewater Treatment
- Municipal Wastewater Treatment