septilink

SL-5
24/7 Septic System Monitoring

REMOTE PROCESS MONITORING

Septilink provides you with real-time status and a long-term historical log of your systems performance by tracking multiple data points across time.

SEPTIC APPLICATIONS

Designed as a drop-in remote monitoring device, the SL-5 is installed between the electrical panel and control panel of any new or existing septic/secondary treatment system to monitor the pump, air pressure, power, and alarms.

REMOTE MONITORING TECHNOLOGY

DATA AT YOUR FINGERTIPS

PROACTIVE MAINTENANCE

By tracking critical indicators such as power use, aerator pressure, and pump run patterns, Septilink can detect symptoms of common failure points for septic systems before they become critical.

ALARM NOTIFICATIONS

Receive immediate notifications on your cell phone when an alarm event is triggered. Have the necessary information to diagnose issues from the historical data in the mobile app.

PUMP MONITORING

See when your pump is running with pump-run times and cycle count. Determine if your system is running as designed. Common issues such as surface water contamination, system overload, and electrical deterioration can be observed before the system fails.

CONNECT WITH A SERVICE PROVIDER

The Septilink app can provide your maintenance contractor with the data needed to accurately diagnose and service your system.

SL-5 | Innovative and Reliable

Electrical	
Operating Power	120VAC 0.15A 20W 1PH 60Hz
Pass-through Current	120VAC 30A (Max)

Physical Dimensions	
Dimensions	8” x 6” x 4” 203mm x 152mm x 102mm
Weight	4 lbs 1.8 kg
Mounting	Horizontal or Vertical Mounting Feet
Material	Polycarbonate

Features
Color-coded, Tool-free WAGO Wire Terminals
Reliable Pass-Through Operation
Surge Protection with LED Indication
Dual Pump / Dual Aerator Support
Internal Status LEDs
Hinged Cabinet with Door Open Detection
Power Fail Detection and Reporting
Remote Control & Configuration via Septilink App
1 Year Warranty

Certifications	
UL	UL STD 61010-1 CSA STD C22.2#61010-1-12
Enclosure UL	Type 1, 3R, 4, 4X, 12 CE Certified cULus Listed File #E319779 Issue: 0057564
FCC ID	APV-2650MB
IC	5843C-2650MB

Environmental	
Temperature	-30°C - 60°C (-22°F - 140°F)
Humidity	85% RH @ 50°C NON-CONDENSING
Max Altitude	3000 Meters

Monitoring
Current Monitoring (0-20 Amps)
Air Pressure (0-15 PSI)
System Power Fail Detection
Power Surge Protection Failure Detection
Pump Run Time and Daily Cycle Count
GPS Location (Actual System location)
Enclosure Door Status (Open/Closed)
High Level/System Alarm
Low & High Air Pressure (Normal/Alarm)
Disinfection Input Status (Normal/Alarm)
Water Meter Input (Dry Contact)
Network Status (Signal Strength, 2G/3G/4G)
GPS Clock (Never loses time)

Installer Connections* (J1)
1 - Input Power Line (BLACK) – 120VAC 30A Max
2 - Input Power Neutral (WHITE)
3 - Input Power Ground (GREEN)
4 - Output Power Line (BLACK) – 120VAC 30A Max
5 - Output Power Neutral (WHITE)
6 - Output Power Ground (GREEN)
7 - HLA/AUX1 Input (GRAY) – 120VAC
8 - DIS/AUX2 Input (GRAY) – 120VAC
9 - MTR/AUX3 Input (GRAY) – 120VAC
10 - PROT/AUX4 Input (GRAY) – 120VAC

*AWG 8-24 Solid/Stranded Strip Length 0.43” -0.51” inches

Enclosure Connections* (J2)	
1 - Door Switch +	Door Sensor Input Normally Open–Dry Contact
2 - Door Switch -	Door Sensor Normally Open–Dry Contact
3 - HLA Input+	High-Level/System Alarm Normally Open–Dry Contact
4 - HLA Input -	High-Level/System Alarm Normally Open–Dry Contact
5 - DIS Input +	Disinfection/Air Alarm Normally Open–Dry Contact
6 - DIS Input -	Disinfection/Air Alarm Normally Open–Dry Contact
7 - MTR Input +	Water Meter** Normally Open–Dry Contact
8 - MTR Input -	Water Meter** Normally Open–Dry Contact
9 - PROT Input +	Surge Protection Normally Open–Dry Contact
10 - PROT Input-	Surge Protection Normally Open–Dry Contact
11 - OUT1	Relay Control Output 150 mA max to GND
12 - OUT2	Relay Control Output 150 mA max to GND
13 - OUT3	Relay Control Output 150 mA max to GND
14 - 12VDC	12VDC Output for OUT 1-3 (0.5A max)

*Do NOT apply external voltage to J2 Connector
AWG 14-26 Solid/Stranded Strip Length 0.31” -0.35”

**Minimum pulse width 150ms
Maximum flow rate is 100GPM at 1GPP.

Communications	
Cellular Technology	4G LTE CAT-M1 & GSM
Cellular Networks	AT&T, T-Mobile, Verizon, Alaska, US Cellular, Bell, Telus, Rogers, Videotron
Cellular Antenna	Internal
GPS Antenna	Internal
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
Battery	Internal 1100mAh

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Septilink Inc.
(469) 916 2650 septilink.com