



## AEROBIC SEPTIC APPLICATIONS

The SL-7 is an advanced septic control panel designed for both conventional septic and aerobic treatment system applications. It combines dependable control functionality with integrated remote programmability and monitoring, providing detailed visibility into overall system performance.

## REMOTE MONITORING TECHNOLOGY

### DATA AT YOUR FINGERTIPS



#### PROACTIVE MAINTENANCE

By tracking critical indicators such as power use, aerator pressure, and pump run patterns, users 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 users with the data needed to accurately diagnose and maintain your system.

# SL-7 | Innovative and Reliable

Electrical	
Operating Power	30A (Max) 120VAC 1PH 60Hz
Pump Circuit Breaker	20A 120VAC
Aerator Circuit Breaker	10A 120VAC
Disinfection Circuit Breaker	10A 120VAC
System Circuit Breaker	10A 120VAC

Physical Dimensions	
3" Enclosure	10" x 8" x 3" 254mm x 203mm x 76mm
4" Enclosure	10" x 8" x 4" 254mm x 203mm x 102mm
Weight	6 lbs 2.7 kg
Mounting	3" Enclosure: Fixed Feet 4" Enclosure: Adjustable Feet
Material	Polycarbonate

Features	
Color-coded, Tool-free WAGO Wire Terminals	
Pump Control: On-Demand, Cycle, Time of Day	
Surge Protection with LED Indication	
2 Float Operation (Low & High Level/Override)	
Internal Status LEDs	
Hinged Cabinet with Door Open Detection	
Power Fail Detection & Reporting	
Remote Control & Configuration via Septilink App	
Internal Pump Test/Alarm Mute Buttons	
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 & Daily Cycle Count	
GPS Location (Actual System location)	
Enclosure Door Status (Open/Closed)	
High Level Alarm	
Low & High Air Pressure (Normal/Alarm)	
Disinfection Input Status (Normal/Alarm)	
Water Meter Input (Pulse Count)	
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 Pump Line (BLACK)	120VAC 20A
5 - Output Pump Neutral (WHITE)	
6 - Output Pump Ground (GREEN)	
7 - Output Aerator Line (BLACK)	120VAC 10A
8 - Output Aerator Neutral (WHITE)	
9 - Output Aerator Ground (GREEN)	
10 - Output Disinfection Line (BLACK)	120VAC 10A
11 - Output Disinfection Neutral (WHITE)	
12 - Output Disinfection Ground (GREEN)	
13 - 1 Low Level / Pump Float (120VAC Constant)	
14 - 2 Low Level / Pump Float (Switched)	
15 - 1 High Level / Water Float (120VAC Constant)	
16 - 2 High Level / Water Float (Switched)	

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

Enclosure Connections* (J2)	
1 - Door Switch +	Door Sensor Normally Open-Dry Contact
2 - Door Switch -	Door Sensor Normally Open-Dry Contact
3 - HLA +	Red Lamp Wire 12VDC
4 - AIR +	Yellow/Green Lamp Wire 12VDC
5 - DIS +	Blue Lamp Wire 12VDC
6 - GND -	Black Lamp Wire DC Ground
7 - Test +	Pump Test Switch (OFF-MOM) Normally Open-Dry Contact
8 - Test -	Pump Test Switch (OFF-MOM) Normally Open-Dry Contact
9 - Mute +	Buzzer Mute Switch (OFF-ON) Dry Contact/No Voltage
10 - Mute -	Buzzer Mute Switch (OFF-ON) Normally Open-Dry Contact
11 - MTR Input +	Water Meter (1 GPP or 10 GPP) Normally Open-Dry Contact
12 - MTR Input -	Water Meter (1 GPP or 10 GPP) Normally Open-Dry Contact
13 - DIS Input +	Disinfection Alarm Normally Open-Dry Contact
14 - DIS Input -	Disinfection Alarm Normally Open-Dry Contact

\*Do NOT apply external voltage to J2 Connector  
AWG 14-26 Solid/Stranded Strip Length 0.31" -0.35"  
\*\*Pulse Width: 150 ms min. Max flow 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 & Vibration	U.S. Military Standards 202G, 810F, SAE J1455
Battery	Internal 1100mAh

Dipswitch Configurations (S1)	
1 DEMAND PUMP	ON - Enable pump on-demand OFF - Enable pump schedule
2 AIR ALARM	ON - Enable local air alarm OFF - Disable local air alarm
3 HLA OVERRIDE	ON - Enable pump on high level OFF - Disable pump on high level

