

C-LEVEL™ SENSOR SPECIFICATIONS

ELECTRICAL:

Input Power: 12 VDC 100 mA max.

Output: Variable Frequency Signal

CABLE LENGTH:

20 Gauge Cable, 300 feet (91 meters) maximum spliced length

NOTE: Cable splicing permitted only if done in dry water proof enclosure and shielded wires are used.

PHYSICAL:

Sensor Length: 5.0 inches (12.7 cm)

Sensor Diameter: 2.0 inches (5 cm)

Mounting: Stainless steel cable clamp on sensor and vent housing

OPERATING:

Fluid Compatibility's: water, sewage

Maximum Submersion Depth Sensor: 10 ft. water (3 m water)

Maximum Environment Temperature: 120°F (50°C) wet or dry

Sensor Zero Point: Approximately 2 inches from bottom of sensor

Recommended Minimum Operation Level:

3 inches water measured from sensor zero point

Repeatability: +/- 5% full scale

Range: 40 inch or 100 inch (depending on model)

COMPONENT PARTS:

Sensor and Vent Housing

Material: PVC

Color: Black

ISOLATION BLADDER:

Bellow design to increase surface area and reduce effect of temperature change

Oil filled to isolate sensor from sewage or corrosive environment

VENT TUBING:

Material: PVC

Electrical cable ran inside vent tube to increase kink resistance of tube preventing plugging of vent

VENT:

Breathable membrane which stops water intrusion

ELECTRIC CABLE:

Jacket Type: Type CM 3 wire 20AWG with Shield

Jacket Material: PVC

In addition to many state on-site and rural water associations, SJE Rhombus® is proud to be members of these national industry associations:



LEVEL MONITORING CONTROL SOLUTIONS

Using Patented
C-Level™ Sensor
Technology



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C-LEVEL™ SENSOR

Innovative Floatless Technology

The simple and accurate C-Level™ Sensor converts the water pressure in a tank into a low voltage electrical signal that is read by a variety of level monitoring products manufactured exclusively by SJE Rhombus. This innovative technology provides for continuous level monitoring of tank applications and is backed by an industry-leading five-year limited warranty.

C-Level™ Sensor Features:

- Operates on low voltage
- Compact, non-moving design works well in wastewater pump tanks, confined space applications and systems with a high grease content
- One sensor replaces up to four floats
- Easy to install
- Available in cable lengths up to 300 ft. (91.44 m)
- Excellent alternative to mercury floats

C-Level™ Sensor is available for:

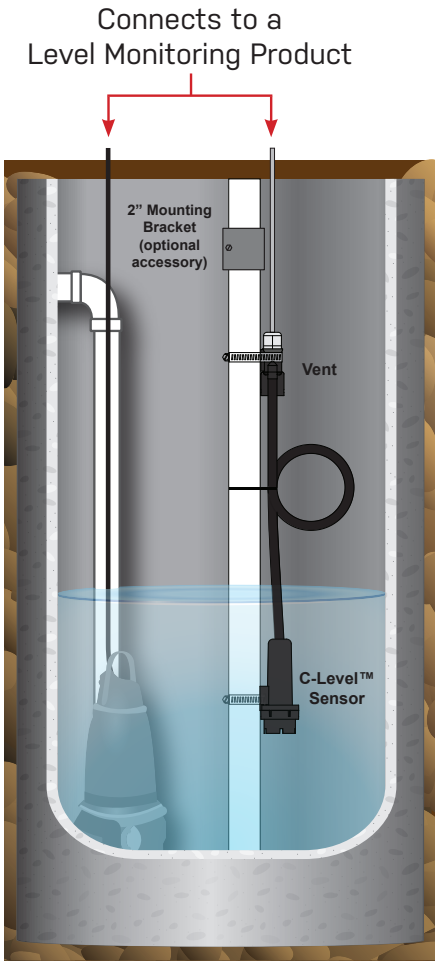
- Installer Friendly Series® control panels
- Installer Friendly Series® In-Site® control panels
- EZ Series® In-Site® CL control panels
- C-Con™ converter box
- SJE Level Monitor™ CL system

C-Level™ Sensor Models

- CL40** - sensing range up to 40 inches (101.6 cm)
- CL100** - sensing range up to 100 inches (254 cm)

- Five-year limited warranty on panels.
- One-year limited warranty on C-Level™ Sensor.

US Patent No. 8,567,242; 8,336,385 and 8,650,949.



Installer Friendly Series® Control Panels Single Phase, Three Phase; Simplex, Duplex; Demand or Timed Dose

IFS control panels provide greater control of septic systems via a simple-to-use touch pad for programming and monitoring pump and float operation in on-site applications. IFS panels read the electrical signal from the C-Level™ sensor and displays this level in inches or centimeters on the panel display for easier monitoring of the system. The **touch pad display** allows the user to easily view and adjust system settings from the control panel, eliminating the need to go into the tank for manual adjustment:

- Pump activation levels
- Alarm levels
- Pump run indicators
- Status indicators (including low water alarm)
- HOA switch(es)
- Hand mode safety features
- Elapsed time meter(s)
- Cycle counter(s)
- Alarm counter
- Lead/lag selector (toggles pump operation in duplex models)
- Override counter (timed dose mode)
- Can be easily set to demand or timed dose in the field



Installer Friendly Series® In-Site® Data Logging Control Panels Single Phase; Simplex, Duplex; Demand or Timed Dose

IFS In-Site® control panels offer all the features of an IFS panel, **PLUS data logging!** Monitor system events by plugging a flash drive into the USB port located on the inner door to download system history. The pre-loaded software on the flash drive formulates the data for you, creating easy-to-read reports so system conditions can be quickly identified and corrected.

Logged events include:

- Pump run times
- Pump cycles
- Alarm conditions
- Power outages
- Service calls

		Event 1	Pump On/Off	Pump 1	Pump 2	Pressure	Pump 1	Pump 2	Level
10/10/2012	Pump 1 On	On	00:00	00	OFF	00	00:00	00	00:00
10/10/2012	Pump 1 On	On	00:05	00	OFF	00	00:05	00	00:05
10/10/2012	Pump 1 On	On	00:10	00	OFF	00	00:10	00	00:10
10/10/2012	Pump 1 On	On	00:15	00	OFF	00	00:15	00	00:15
10/10/2012	Pump 1 On	On	00:20	00	OFF	00	00:20	00	00:20
10/10/2012	Pump 1 On	On	00:25	00	OFF	00	00:25	00	00:25
10/10/2012	Pump 1 On	On	00:30	00	OFF	00	00:30	00	00:30
10/10/2012	Pump 1 On	On	00:35	00	OFF	00	00:35	00	00:35
10/10/2012	Pump 1 On	On	00:40	00	OFF	00	00:40	00	00:40
10/10/2012	Pump 1 On	On	00:45	00	OFF	00	00:45	00	00:45
10/10/2012	Pump 1 On	On	00:50	00	OFF	00	00:50	00	00:50
10/10/2012	Pump 1 On	On	00:55	00	OFF	00	00:55	00	00:55
10/10/2012	Pump 1 On	On	01:00	00	OFF	00	01:00	00	01:00
10/10/2012	Pump 1 On	On	01:05	00	OFF	00	01:05	00	01:05
10/10/2012	Pump 1 On	On	01:10	00	OFF	00	01:10	00	01:10
10/10/2012	Pump 1 On	On	01:15	00	OFF	00	01:15	00	01:15
10/10/2012	Pump 1 On	On	01:20	00	OFF	00	01:20	00	01:20
10/10/2012	Pump 1 On	On	01:25	00	OFF	00	01:25	00	01:25
10/10/2012	Pump 1 On	On	01:30	00	OFF	00	01:30	00	01:30
10/10/2012	Pump 1 On	On	01:35	00	OFF	00	01:35	00	01:35
10/10/2012	Pump 1 On	On	01:40	00	OFF	00	01:40	00	01:40
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10/10/2012	Pump 1 On	On	02:05	00	OFF	00	02:05	00	02:05
10/10/2012	Pump 1 On	On	02:10	00	OFF	00	02:10	00	02:10
10/10/2012	Pump 1 On	On	02:15	00	OFF	00	02:15	00	02:15
10/10/2012	Pump 1 On	On	02:20	00	OFF	00	02:20	00	02:20
10/10/2012	Pump 1 On	On	02:25	00	OFF	00	02:25	00	02:25
10/10/2012	Pump 1 On	On	02:30	00	OFF	00	02:30	00	02:30
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10/10/2012	Pump 1 On	On	02:40	00	OFF	00	02:40	00	02:40
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10/10/2012	Pump 1 On	On	03:15	00	OFF	00	03:15	00	03:15
10/10/2012	Pump 1 On	On	03:20	00	OFF	00	03:20	00	03:20
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10/10/2012	Pump 1 On	On	04:05	00	OFF	00	04:05	00	04:05
10/10/2012	Pump 1 On	On	04:10	00	OFF	00	04:10	00	04:10
10/10/2012	Pump 1 On	On	04:15	00	OFF	00	04:15	00	04:15
10/10/2012	Pump 1 On	On	04:20	00	OFF	00	04:20	00	04:20
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10/10/2012	Pump 1 On	On	04:55	00	OFF	00	04:55	00	04:55
10/10/2012	Pump 1 On	On	05:00	00	OFF	00	05:00	00	05:00
10/10/2012	Pump 1 On	On	05:05	00	OFF	00	05:05	00	05:05
10/10/2012	Pump 1 On	On	05:10	00	OFF	00	05:10	00	05:10
10/10/2012	Pump 1 On	On	05:15	00	OFF	00	05:15	00	05:15
10/10/2012	Pump 1 On	On	05:20	00	OFF	00	05:20	00	05:20
10/10/2012	Pump 1 On	On	05:25	00	OFF	00	05:25	00	05:25
10/10/2012	Pump 1 On	On	05:30	00	OFF	00	05:30	00	05:30
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10/10/2012	Pump 1 On	On	06:05	00	OFF	00	06:05	00	06:05
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10/10/2012	Pump 1 On	On	06:25	00	OFF	00	06:25	00	06:25
10/10/2012	Pump 1 On	On	06:30	00	OFF	00	06:30	00	06:30
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