# PANEL LINK BRIDGE

## Cellular Connectivity Solution for Pump Control Panels

The SJE Rhombus Panel Link Bridge with the Panel Link Puck provide cellular remote monitoring for existing pump control panels without requiring replacement of the control panel or modification of its primary control functions.

Panel Link Bridge is a simple add-on module designed to monitor pump operation and auxiliary alarm conditions for simplex and duplex applications. The Panel Link Bridge monitors motor current and provides data used to track pump operation, cycle counts, run durations, and elapsed operating time. A dedicated digital input also allows monitoring of an alarm float, auxiliary dry contact, or other on/off status signal.

The Panel Link Bridge connects to the Panel Link Puck, which provides cellular communication with the SJE Panel Link Cloud. System information is accessible through the Panel Link mobile app or web portal, allowing users to review operating conditions, examine historical trends, configure alarm parameters, and receive notifications.




## FEATURES

**Pump Monitoring**

- Motor Current: Monitor current draw for up to two pumps
- Pump Status: View pump running and stopped conditions
- Cycle Counts: Track the number of pump starts over time
- Run Duration: Monitor individual pump elapsed run times
- Estimated Flow and Volume: Calculate pumped volume and flow
- Historical Trends: Review pump activity and operating history

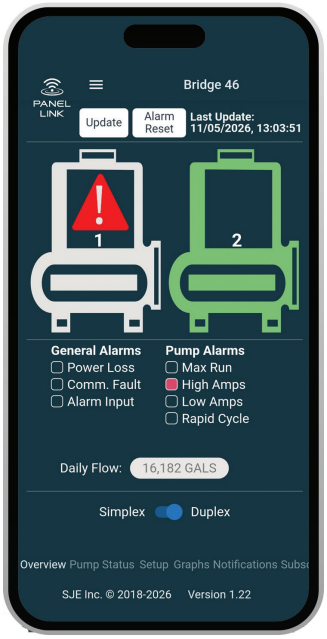
**Alarm Monitoring and Notifications**

- High Current: Detect motor current exceeding a configured set point
- Low Current: Detect motor current falling below a configured set point
- Rapid Cycling: Identify excessive pump starts within a standard time period
- Max Run Time: Detect pump operation exceeding a configured duration
- Auxiliary Alarm Input: Monitor a dry-contact signal from the existing control panel, alarm float, or other compatible device

**Remote Access and Data: Mobile App and Web Portal**

- View current pump operating status and monitored conditions
- Access historical pump data and graphical trends
- Review alarm conditions and operating history
- Configure pump information and alarm set points
- Receive text and email alarm notifications
- Manage notification recipients
- View device location and cellular connection information provided by the Panel Link Puck
- Manage applicable cellular service subscriptions

The Panel Link platform provides remote alarm visibility and configurable notifications. Power-loss and communication-status capabilities are provided through the connected system, subject to subscription service.




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**PANEL LINK BRIDGE -** Cellular Connectivity Solution for Pump Control Panels

| Part # | Description | Shipping Weight | List Price |
|---|---|---|---|
| 1135652 | Panel Link Bridge with Panel Link Puck - Cellular Remote Monitoring Module* | 1.25 lbs. | $690.00 |

| *Subscription Service: Panel Link Puck requires an annual subscription through the SJE Panel Link mobile app. | Annual Fee |
|---|---|
| First six months of subscription service | Included |
| Annual subscription service | $120.00 |

## SPECIFICATIONS

**COMMUNICATION:** Global 4G LTE, Cat 4 Cellular
RJ45 Jack
RS485 Communications

**PANEL LINK PUCK ENCLOSURE:**
UL Type 4X
0.75 inch NPT with gasket and locknut
Diameter - 4.5 inch (11.43 cm)
Height - 1.25 inch (3.18 cm)

**PANEL LINK BRIDGE ENCLOSURE:**
Indoor Rated
Length - 3.69 inch (9.37 cm)
Width - 1.86 inch (4.72 cm)
Height - 1.41 inch (3.58 cm)

**ELECTRICAL:** Incoming Power: 90-264 VAC
Control Power: 12 VDC, 6W

**ENVIRONMENT:** Operating Temperature: -18°F to 140°F (-28°C to 60°C)
Relative Humidity (RH): 95% (non-condensing)

**INPUTS:** (2) Current Sensor Inputs (0-60A, 3.5mm jacks)
(1) Digital Alarm Input (monitors non-powered, dry contact, 12 VDC, 5mA)

## APPLICATION REQUIREMENTS CHECKLIST

- ❑ Location - Inside an outdoor rated enclosure or an indoor location
- ❑ Power - Access to a 120 VAC or 240 VAC circuit
- ❑ Motor Leads - Access to a single insulated motor wire(s)
- ❑ Signal - Cellular service at the installation location
- ❑ App - Panel Link mobile app installed on an Android or Apple device

See user manual for more detailed information.



California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov