CORNELL
Co·Pilot™

PANEL MOUNTED GATEWAY

# CO-PILOT™ INTEGRATED SCADA UNIT

**Connect via Cell
or Ethernet**

**4 Digital Inputs
8 Analog Inputs**

**Real Time Data**

CORNELL
## Co·Pilot™

## WHY THE CO·PILOT SCADA UNIT?

The Co-Pilot Integrated SCADA Unit not only shares the user-friendly web browser and app interface with our Cornell Co-Pilot units but also boasts an elevated level of sophistication. Employing 120VAC relays and a specialized power source, this panel is designed to oversee duplex pumping setups with unparalleled efficiency.

Equipped with dedicated timers and configurable alerts for its four digital inputs, this advanced panel goes beyond mere monitoring – it offers a comprehensive control system. Moreover, by leveraging the cellular gateway, users can opt for a fully remote option to access and view intricate pumping details effortlessly.

## USE THE INTEGRATED SCADA UNIT FOR:

- Live data monitoring
- High Float and Fault alerting
- Monitor pump usage on 2 pumps
- Automated reports
- Track historical pump usage

## CO·PILOT PANEL MOUNTED GATEWAY (PMG)

The Co-Pilot Integrated SCADA Unit harnesses the cutting-edge technology of the Co-Pilot PMG device, setting a new standard in sophistication. The PMG boasts superior capabilities, offering a host of additional inputs, including eight analog inputs, four digital inputs, and a relay output.

## CORNELL CO·PILOT ALLOWS YOU TO:

- Monitor pumps using the cloud and IOT
- Monitor duplex pumping setup
- View pump usage with historical data
- Enable live data when needed
- Receive real time alerting

# CO-PILOT™ SCADA UNIT SPECIFICATIONS







Co-Pilot desktop version screenshot.

## Get started at
## CORNELLPUMP.COM/CO-PILOT
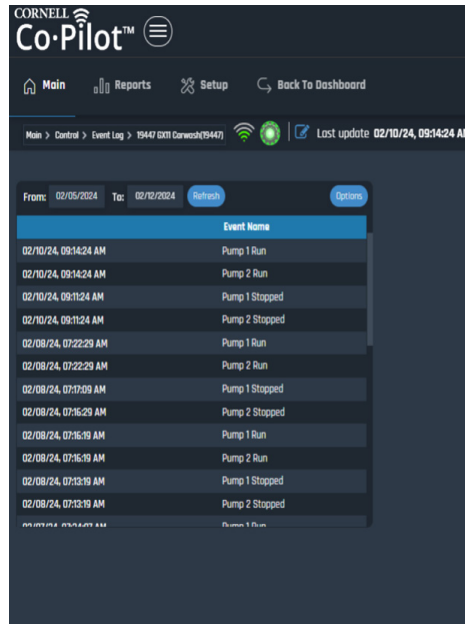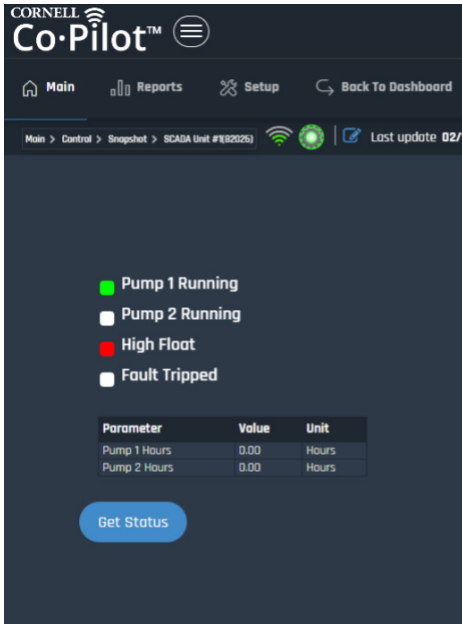
## TECHNICAL SPECIFICATIONS

### COMMUNICATION
- 4G LTE cellular cloud connectivity
- Ethernet Compatible
- Monitor all connected pumps from a single app
- GPS Location Information

### ON –BOARD MONITORING
- Modbus (RS-485)
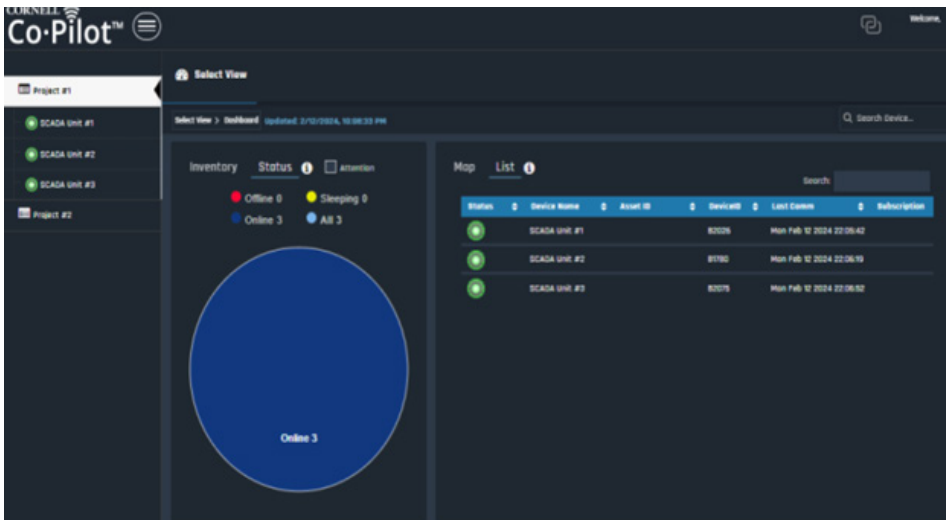- 4 Digital inputs with 120VAC relays

### NOTIFICATIONS
- Generate automatic reports
- Configurable alerts
- Service hours reached
- Pump start/ stop
- High float
- Fault tripped or phase lost

### DIMENSIONS/ OPERATIONS/ STANDARDS
- 12.15" x 6.46"x5.97" (308mm x 164mm x 152mm)
- UL certified upon request
- Temperatures from -22°F/ -30°C to 158°F/70°C

### POWER
- External power: 120VAC or 12-24 VDC option
- 500mA maximum

## SCADA: SUPERVISORY CONTROL AND DATA ACQUISITION

Supervisory control and data acquisition (SCADA) is a system of software and hardware elements that allows organizations to control and monitor industrial, municipal, and processes by directly interfacing with plant-floor machinery and viewing real-time data.

Since the mid-1970s, the term SCADA has emerged to describe municipal and industrial control systems. At that time, the systems were isolated and siloed. With the Cornell Co-Pilot Gateway, integration, information flow, and control flow across your organization leading to better understanding, execution, and efficiency.

With a SCADA system, municipal and industrial organizations can:

- Monitor, gather, process, and analyze real-time data
- Control processes locally or remotely
- Directly manage devices such as valves, switches, and motors
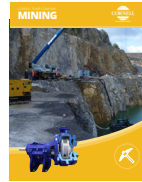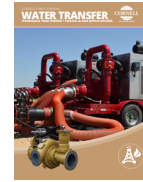- Record activities, events, and upset conditions to logs
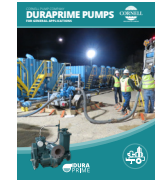
**AGRICULTURE**

**FOOD PROCESS**

**INDUSTRIAL**

**MINING**

**MUNICIPAL**

**WATER TRANSFER**

**REFRIGERATION**

**CONSTRUCTION**
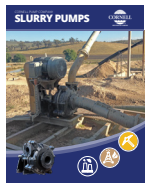
**SLURRY**
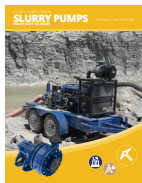
**SLURRY SM**

**MANURE**
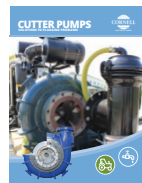
**CUTTERS**

**SELF PRIMING**
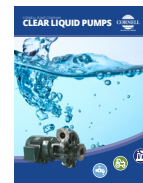
**CLEAR LIQUIDS**

**MX SERIES**
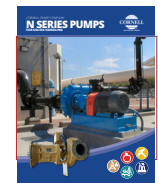
**N SERIES**
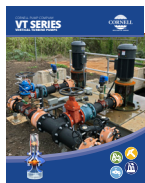
**CYCLONE™**
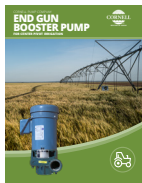
**EDGE™**

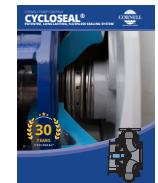**HYDRAULIC SUBS**

**IMMERSIBLE**

**CD4MCU**

**RUN-DRY™**

**PRIMING SYSTEMS**

**CYCLOSEAL®**

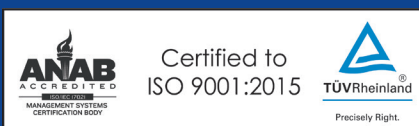**Cycloseal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.**

**Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:**

**6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.**

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