PUMP WATCHTM EXPRESS ION

CLOUD-BASED CELLULAR MONITORING



The Pump Watch[™] Express iON is a simple and effective tool to monitor one or multiple remote sites. Information from your station is transmitted over a cellular network to a cloud server, where it can be viewed from any web browser using a secure login. Receive alarm notifications, track equipment performance, visualize site operation status via a graphical interface, and generate reports.

- Simple and clear graphical HMI
- Operator assignment of I/O descriptions
- Notifications received via SMS, email, or viewed on the web portal
- Alarm notifications can be assigned to multiple users with escalation and acknowledgment
- Battery backup to provide loss of power alarm notification
- Analog inputs are configurable to provide high and low-level alarms
- Reporting and pump diagnostic information
- Graphical data trends, accumulation bar graphs, and data tables
- Interactive mapping location of all remote stations
- First year of cell service is included
- iOS or Android App is available for your mobile device

ORDERING INFORMATION

NEMA 4X Control Panel:

- 1063016 NEMA 4X iON Panel 12x10x6 thermoplastic enclosure
- 1064778 NEMA 4X iON Panel 16x14x10 stainless steel enclosure

Components for Panel Mounted Application:

Must order one of each component to connect gateway to I/O module (Gateway, iON28 Module and a Cable):

- 1054662 Pump Watch Express Gateway
- 1063164 iON28 Module
- 1038522 6 Foot Communications Cable
- 1038335 6 Inch Communications Cable

Accessories:

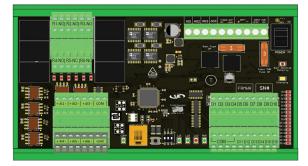
- 1064542 5db Exterior Panel Mounted Antenna Assembly (Outdoor Rated)
- 1038899 High Gain Penta Band Outdoor Antenna Assembly
- 1053788 Surge Arrestor for High Gain Antenna

*Consult factory for countries outside USA

SPECIFICATIONS

Pump Watch Express Gateway: 4G LTE Battery backup: 12 V, 7.2 Ah, SLA 24 VDC Power supply: 120 VAC input; 2.5 Amps iON28 module:

- 6 analog inputs, 4-20mA differential and optically isolated, 12-bit resolution
 - 16 digital inputs: 12 VDC common ground
 - D1-D4 designated Motors Running (runtime and cycles)
 - D5 & D6 designated as Flow Totalizer inputs (max rate 100 HZ)
 - D7-D16 configurable as Alarm inputs
 - 6 relay outputs: 250V, 5A (resistive)
 - R1-R4 Normally Open
 - R5 & R6 Normally Closed
 - Relay outputs are momentary operation



Dashboards available (templates):

- Generic Ideal for water treatment applications
 up to 4 pumps
- Lift Station For duplex or triplex lift stations volumetric flow calculation (cycle based)







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AVAILABLE DASHBOARDS

Control > Main > North Riv	erside 🛜 🏨 🕜	Lost update 12/21/2020 05:11:25 PM		Main > Control > Main > Boone Village	Lost updote 12/21/2020 05	:06:14 PM	
ET STATUS	POWER			DET STATUS POWER	GATEWAY PWR MODBUS FLT.	Run Cycl Di1 - Pump 1 3 Di2 - Pump 2 2	16 155.5 25HP, 460V, 36 24 571.8 25HP, 460V, 36
1 Amps	Al2 - Pump 2 Amps	011 - Pump 1 0 012 - Pump 2 1 013 - Pump 3 1	inntiss 99.9 40hp.450v.528.mp 465.1 40hp.450v.528.mp 446.5 40hp.450v.528.mp 0 On Generator Power	513 GPM	I >>>>> 1170 GPM	A2 - FI Amos	A3 - P2 Amos
13 Amas	Ald-Wet Well Level1	DB-Flow1 2050500 IRSET DB-Flow2 0 IRSET DB-Flow3 0 IRSET DB-Flow3 0 IRSET DB-Flow3 IRSET IRSET DB-Flow3 IRSET IRSET DB-Flow3 IRSET IRSET	Relay 1 Operation	007 - PF FAIL DIB - P2 FAIL DIB - P2 FAIL DID - P3 FAIL DID - P3 FAIL DIT - SPARE DITE - 24V FAIL	Level	A4+P3 Amos	
1011 Level 2 1111 / 11 10 10 10 10 10	Al5-Description	D111 - Low Level SET R21 D12 - PCF SET R21 D13 - Grady Feil SET R3 D14 - Alarm 9 SET R6 D15 - Alarm 9 D16 - Alarm 10	Relay 3 Operation Relay 4 Operation Relay 5 Operation	0173-1909 AGCR D114-3404 R.Q.AT D115-Alorm 10 D115-Alorm 10	4.9 · 4 A1	RELAYS SET R1 SET R2 SET R2 SET R4	Relay 1 Operation Relay 2 Operation Relay 3 Operation Relay 4 Operation

Generic (iON Mobile)

Lift Station (iON28 Dup/Trip)



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