

HRC1000

CONTROL/RTU/CTU



OVERVIEW

The HRC1000 is a feature-rich device that can provide control and/or monitoring to your water and wastewater infrastructure. It combines the finest equipment and workmanship in the industry, with standard application solutions, flexible multiple I/O configurations and multiple communication and telemetry options.

The HRC1000 can be placed in new installations or be used to retrofit/upgrade existing stations by adding open-architecture PLC-based control and/or remote monitoring with traditional telemetry and/or iconcontrol® cloud-based SCADA solutions.

FEATURES

Easy to Install and Use

- Micro-VPAC II Open-Architecture PLC
 - Graphical User Interface
 - 12 Digital Inputs; 6 Digital Outputs
 - 4 Analog Inputs
 - Multi-Level Password Protection for Security
- Battery Backup
- Built-in 120VAC Surge Protection
- All Field Wiring to Terminal Blocks
- UL Type NEMA 4X Non-metallic Enclosure
- Padlock-able Hasp
- Serialized UL-Label and O&M Manual

- Standard or Custom Applications
 - Level Control
 - Constant Speed Pumping
 - Variable Speed Pumping
 - Remote Tanks

Telemetry Options

- Fiber Optic
- Leased Lines
- VHF Radio; UHF Radio
- Spread Spectrum
- Cellular
- Satellite

SCADA Options

- Modbus Master/Slave
- Wonderware
- iFix
- VTScada
- iconcontrol® cloud-based SCADA



844-4PRIMEX (477-4639)
WWW.PRIMEXCONTROLS.COM

Ashland, OH	800-363-5842
Clearwater, FL	800-349-1905
Detroit Lakes, MN	888-342-5753
Milford, OH	513-831-9959
Plymouth, MN	763-559-0568

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MONITORING AND CONTROL APPLICATION EXAMPLES

Monitor

- Pump Running
- Hand-Off-Auto
- Pump Seal Failure, Overtemp and Overload
- Fault (VFD)
- High and Low Level Float
- Power and Phase Failure
- Generator Running
- Station Intrusion
- Dry Well Flood, Rain Total, Flow Pulse
- Station Temperature (discrete or analog)
- Wet Well, Clear Well or Tank Levels
- Station Flow, via Analog or Volumetric Flow
- VFD Speed
- Pump Current
- Discharge Pressure

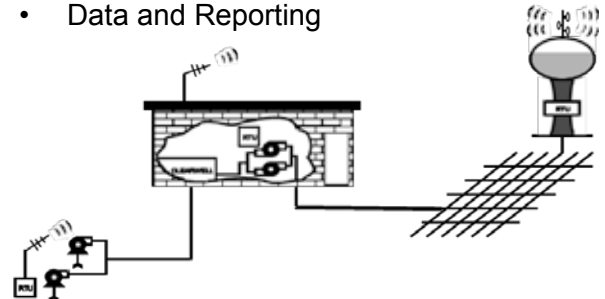
Control

- Pump Calls
- Fault and Backup Reset
- Alarm Horn Silence
- VFD Speed

Alarms and Events

- Pump Seal, Pump Overtemp, Overload
- Control Power Failure
- VFD and Soft Starter Fault
- Pump Failure
- Backup Active
- High and Low Level
- Generator Running
- Phase Failure
- Station Intrusion
- Dry Flood
- Temperature High/Low
- Communications Failure
- High Motor Current
- Discharge Pressure

- Secure, Remote Access from any Computer
- Dynamic Process Graphics
- Status and Trends Screens
- Setpoint and Equipment Control
- Alarm Management
- Data and Reporting



June 2012	Well 1 Pump Runtime (hrs)	Well 1 Pump Starts	Well 2 Pump Runtime (hrs)	Well 2 Pump Starts	Well 1 Flow	Well 2 Flow
1	6.3	4	7.4	3	3.0457	0.0423
2	7.5	3	3.2	3	3.0202	0.0523
3	0.2	4	7.3	3	3.0526	0.0405
4	7.4	3	3.2	4	3.0418	0.0400
5	0.8	0	3.0	4	3.0008	0.0000
6	0.8	0	3.0	4	3.0006	0.0000
7	0.8	0	3.0	4	3.0006	0.0000
8	0.8	0	3.0	4	3.0006	0.0000
9	0.8	0	3.0	4	3.0006	0.0000
10	0.8	0	3.0	4	3.0006	0.0000
11	0.8	0	3.0	4	3.0006	0.0000
12	0.8	0	3.0	4	3.0006	0.0000
13	0.8	0	3.0	4	3.0006	0.0000
14	0.8	0	3.0	4	3.0006	0.0000
15	0.8	0	3.0	4	3.0006	0.0000
16	0.8	0	3.0	4	3.0006	0.0000
17	0.8	0	3.0	4	3.0006	0.0000
18	0.8	0	3.0	4	3.0006	0.0000
19	0.8	0	3.0	4	3.0006	0.0000
20	0.8	0	3.0	4	3.0006	0.0000
21	0.8	0	3.0	4	3.0006	0.0000
22	0.8	0	3.0	4	3.0006	0.0000
23	0.8	0	3.0	4	3.0006	0.0000
24	0.8	0	3.0	4	3.0006	0.0000
25	0.8	0	3.0	4	3.0006	0.0000
26	0.8	0	3.0	4	3.0006	0.0000
27	0.8	0	3.0	4	3.0006	0.0000
28	0.8	0	3.0	4	3.0006	0.0000
29	0.8	0	3.0	4	3.0006	0.0000
30	0.8	0	3.0	4	3.0006	0.0000
Total	154.5 hrs	177	177	177	154.5 MG	1.8803 MG



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