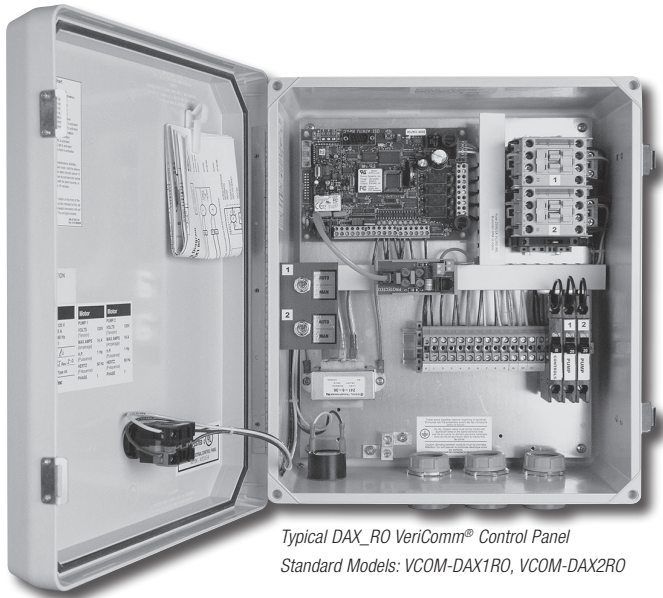


VeriComm® DAX_RO Control Panels

Applications

VeriComm DAX1RO and DAX2RO remote telemetry control panels are used in on-demand duplex alternating pumping operations. Coupled with the web-based VeriComm Monitoring System, these affordable control panels give the ability to remotely monitor and control treatment system operation, with real-time efficiency to wastewater system operators and maintenance organizations, while remaining invisible to the homeowner.



Typical DAX_RO VeriComm® Control Panel
Standard Models: VCOM-DAX1RO, VCOM-DAX2RO

Features

Two Operating Modes

- “Normal Mode” manages day-to-day functions
- “Test Mode” suspends data collection and alarm reporting during installation and service

Data Collection and Utilization

- Compiles data logs of system conditions and events such as pump run times, pump cycles, and alarm conditions

Troubleshooting and Diagnostic Logic

- Reports suspected component failures, which then trigger alarms

Advanced Control Logic

- Activates system diagnostics in the event of a float failure or malfunction and maintains normal system operation until servicing can occur

Features, con't.

Communication and Alarm Management

- Provides remote telemetry and a web-based monitoring application for communication and alarm management (see *VeriComm Monitoring System*, NTD-CP-VCOM-1)
- Updates point values (including timer settings) and queued changes during each host communication session
- Contacts with host monthly; more frequently during alarm conditions

Multiple Communication Methods

- Call-In to VeriComm® Host (phone line or optional high speed internet)
 - Signals critical fault conditions that require immediate attention (e.g., pump failure) through automatic alarm notifications
 - Signals less-critical fault conditions (e.g., stuck float switch) through automatic alert notifications and triggers the panel's troubleshooting logic and alternative operating mode
 - Sends updates through automatic update notifications, including alarm updates or all-clear notifications following alarms/alerts, as well as normally scheduled monthly panel reports
 - Allows manual, forced communication from panel to host for updating point values and receipt of queued changes
- Real-Time, Manual Direct Panel Connection
 - Allows a local operator real-time access to detailed logged data and the ability to change point values through direct connection via RS-232 serial port from a laptop or Android® device with optional Bluetooth® kit
 - Allows a local operator to initiate an auto-answer mode in real-time to access detailed logged data and the ability to change point values via direct, forced communication at the site

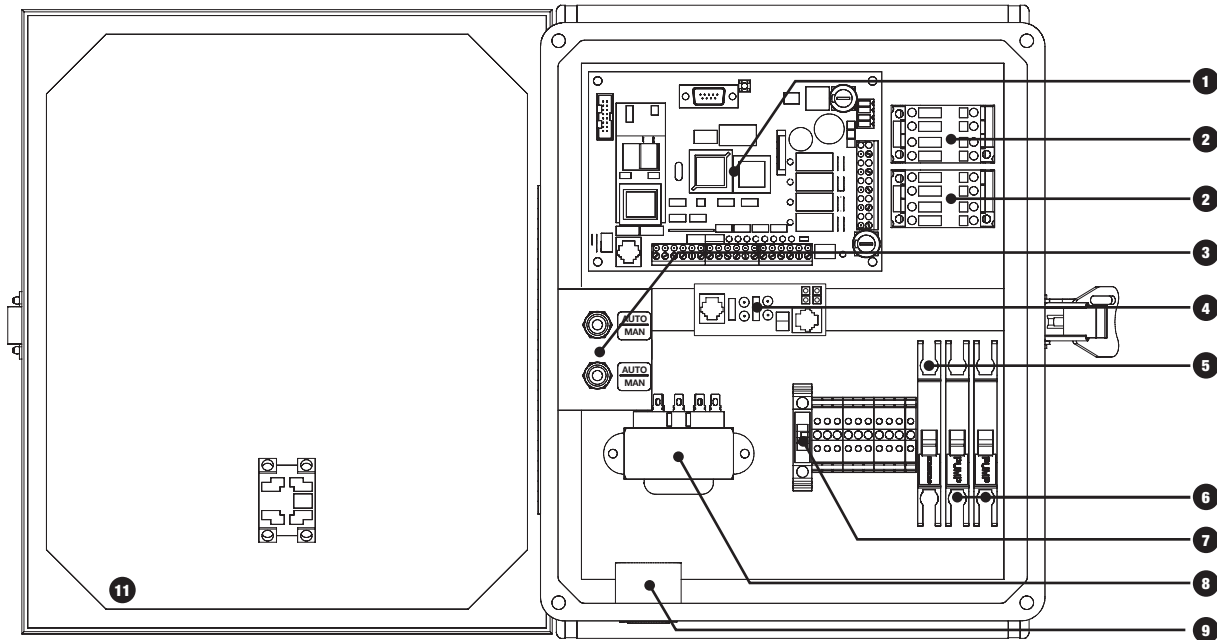
Open-architecture software with password security is used during real-time, manual connections. Orenco offers BT-VCOM software as an option, but VeriComm panels require no proprietary software. VT100 protocol allows access and control from a Mac or PC computer using a simple communication program (e.g., Windows® HyperTerminal), with multilevel password protection ensuring that only qualified personnel can access the panel's data.

Status Light Indicators

- Flashing green LED for normal operation
- Yellow LEDs for status of digital inputs
- Red LEDs for status of digital outputs and modem activity

UL-recognized and FCC-approved

For more information, try our online demo at www.vericomm.net (no password required).



Standard Components

Feature	Specifications
1. VeriComm® Remote Telemetry Unit*	ATRTU-100: 36/18 VAC (center tap transformer); 8 digital inputs, 4 analog inputs, 4 digital outputs, 0 analog outputs, on-board modem (2400 baud); LED input and output indicators; 1-year battery backup of data and program settings
2. Motor-Start Contactor	120 V, 16 FLA, 1 hp (0.75 kW), 60 hz; 2.5 million cycles at FLA (5 million at 50% of FLA) 240 V, 16 FLA, 3 hp (2.24 kW), 60 hz; 2.5 million cycles at FLA (5 million at 50% of FLA)
3. Toggle Switches	Single-pole, single-throw, momentary manual switch; 20 A, 3/4 hp (0.75 kW)
4. Phone Line Surge Arrestor/DSL Filter	Surge protection for phone line; DSL filter for lines that also carry DSL service; connection to panel via RJ11 jack or terminal block
5. Controls Circuit Breaker	10 A, OFF/ON switch; single-pole 120 V; DIN rail mounting with thermal magnetic tripping characteristics (240 V units are available for international markets)
6. Pump Circuit Breakers	20 A, OFF/ON switch; single-pole 120 V or double-pole 240 V; DIN rail mounting with thermal magnetic tripping characteristics
7. Fuse	250 VAC, 1 A
8. Transformer	120 VAC primary, 36 VCT @ 0.85 A secondary
9. Audible Alarm	95 dB at 24 in. (610 mm), warble-tone sound
10. Visual Alarm	7/8-in. (22-mm) diameter red lens; "Push-to-silence;" UL Type 4X rated, 1 W LED light, 120 V
11. Panel Enclosure	Measures 15.50 in. high x 13.30 in. wide x 6.70 in. deep (394 mm x 338 mm x 170 mm); UL Type 4X rated; constructed of UV-resistant fiberglass; hinges and latch are stainless steel
VCOM-DAX1 RO	120 VAC, 1 hp, 16 A, single-phase, 60 Hz
VCOM-DAX2 RO	120 VAC, 1 hp, or 240 VAC, 3 hp; 16 A, single-phase, 60 Hz

*See VeriComm® Monitoring System (NTD-CP-VCOM-1) for details.

Optional Components

Feature	Specification(s)	Product Code Adder
Pump Run Light	7/8-in. (22-mm) diameter green lens. UL Type 4X rated, 1 W LED light, 120 V	PRL
Heater	Anti-condensation heater; self-adjusting; radiates additional wattage as temperature drops	HT

Additional options available on a custom basis. Contact Orenco Controls for more information.