



Communications

FOR CHEMTROL CONTROLLERS

SIMPLE, RELIABLE AND FLEXIBLE

Communication options provide remote computer monitoring and operation for all Chemtrol® PC automated water treatment Programmable Controllers. It offers true duplex operation and is available for new Controllers – and for existing Controllers with a simple motherboard upgrade. There are several different ways to connect to the remote Controller and it's also possible to interface the Controller with a MODBUS protocol directly to a Building Management System (BMS).

The remote computer displays a control screen that's an exact duplicate of the front panel of the Controller. It uses the same function keys, menus and submenus – allowing easy operation for anyone who's familiar with the Controller. The remote screen provides full access to the Controller for monitoring, troubleshooting and operator training. The operating data stored in the Controller can be downloaded directly to the computer and shown either as a scan log, a text file or a graphic display. The operator can select parameters for display – and can also zoom in and out for specific dates and times. The data log text file can be used for operation reports, health department inspections and other operational purposes.



TECHNICAL SUPPORT

Receive immediate tech support. Our webserver communication enables immediate technical support remotely from our service department or with a Qualified Dealer. Call 1-800-621-2279 or email sales@sbcontrol.com.

STANDARD FEATURES

- True duplex remote operation with graphics display
- Easy-to-use program menu and remote control screens
- Remote monitoring, operator training and troubleshooting
- Ethernet/internet, wired / wireless / WiFi / cellular based
- Data scan log and graphic data display
- Webserver communication with BMS, Modbus, Bacnet, Lon



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PROGRAM MENU

The remote main menu provides the following key functions:

- System setup
- Facilities setup
- Scanning schedule
- Remote Control
- Data Display

REMOTE CONTROL SCREEN

It displays a duplicate of the control screen from the front panel of the controller. It uses the same function keys, menus and submenus. The remote screen gives full access to the controller for monitoring, troubleshooting and operator training.

DATA SCAN LOG

The operating data stored can be downloaded directly to the computer and shown either as a scan log, a text file or a graphic display. The data log schedules are manually selected. The data log text file can be used for operation reports, health department inspections, etc.

GRAPHIC DATA DISPLAY

The operating data from the controller can also be shown in graphic form. The operator can select parameters for display and can zoom in and out for specific dates and times of the day.

SPECIFICATIONS

OPTION ETHERNET (WIRED / WIRELESS / WIFI / CELL BASED):

The controller shall include an Ethernet / Internet option for remote operation by PC-compatible computer using Ethernet / Internet network communication. A Windows-based software program shall be supplied with true duplex operation capability representing the actual controller screen display with automatic downloading and visual graphics representation of test data. Controllers using simulation or virtual representation of the display screen shall not be considered equal.

OPTION WEBSERVER:

The controller shall include software-based conversion of sensor signals, setpoint, high & low alarms, cumulative run time and total feed time for ORP, pH, PPM, Temperature, (Conductivity, Pressure influent and effluent, and Flow available with optional sensors) into MODBUS protocol for monitoring on Building Management Systems. The controller shall also allow MODBUS writing for changing control modes and setpoints from Building Management Systems. Webserver communication with Bacnet, Modbus, Lon.

OPTION 4-20 mA SIGNAL:

A 4 or 8 channel converter board shall be provided to convert the sensor digital signals for ORP, pH, PPM, temperature and conductivity (TDS) into analog 4-20 mA signals for monitoring on Building Management Systems. The board shall be capable of sending a sourcing or sinking type of signal.



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THE CHEMTROL GUARANTEE

Every unit we make is supplied with a comprehensive operation manual and is backed by our five year electronics warranty. Our customer support department is second to none, providing the technical support you need – and we've been part of over 100,000 installations worldwide.