

MicroTron Windows Based Software Interface

Overview

The Advantage Controls Windows based software interface offers the user the ability to have full interactive control of their water treatment system from a remote PC. Two connection methods are available. The first utilizes a direct connection between the Microtron controller and an on site (local) PC. The second method uses a modem at the Microtron controller to allow connections to be made over a telephone line from a remote PC.

Real time monitoring and control

Whether the user has a direct (on site) connection or a remote connection over a modem, the unit can be accessed using the Windows interface. While connected, the user can review all current readings and settings of the Microtron controller. All set points, alarm parameters and feed schedules can be changed over the remote.

History captures and graphing

The MicroTron controller is capable of storing 1440 lines of history information in its internal memory chip. This historical information can be downloaded to a PC using either the direct connection or the modem interface. Once this information is downloaded to a file at the PC, the information can be displayed in a tabular format, or graphed using the functions incorporated in the "windows" software.

Alarm callback and Autocall features

When the MicroTron uses a modem to interface with a remote PC, it can be set up to automatically call that PC to perform an automatic download of historical data. In this way the download can be completed without any operator involvement, and at a time when telephone rates are lowest.

The Alarm Callback function serves to notify the user of an out of spec condition over the remote link. The user can select which alarm(s) will initiate an alarm call out. The user can program up to six different numbers for the unit to call when an alarm is present. The Autocall function requires that the remote PC be actively running the Advantage Windows software for this function to work.

