



Custom VCOM Control Panels

and HyperTerminal Access

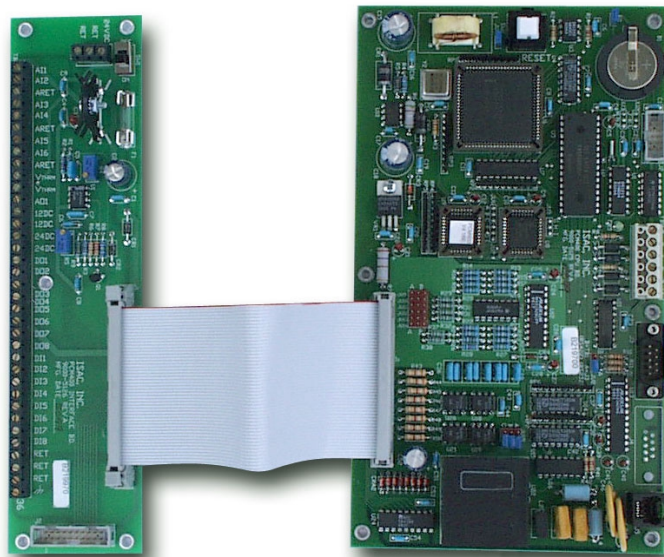
ATRTU 400 & 1600 Boards

Introduction

The Orenco custom VeriComm™ (VCOM) control panel provides system operators with unparalleled control, maintenance, and management of their onsite systems. System operators can manage multiple alarm conditions reported from onsite systems. Extensive alarm data can be maintained on each alarm occurrence, enabling the operator to track system performance and to ensure regulatory requirements. Alarm conditions can be automatically reported to the appropriate service personnel via numeric pagers.

Operators can also review operating data; adjust system parameters; maintain site, alarm, and user information; and generate various reports on system performance.

VeriComm™ systems are password-protected to ensure that only authorized operators are allowed to make changes. Access levels are assigned with each password.



This manual describes how to use the PC based HyperTerminal program to remotely access or connect directly to custom VCOM panels. The Windows depicted in the manual may vary from what will actually appear, depending on the version of Windows that is being used. If questions or concerns arise during start-up, you can make an appointment with Orenco's electrical design group, and they will guide you through the start-up process.

Table of Contents

- Introduction2
- HyperTerminal4
 - To Create a New Connection..... 4
 - To Connect Remotely to a Custom VCOM Panel 5
 - To Connect Directly to a Custom VCOM Panel 6
- Login Screen.....7
 - Login Procedure 7
- Run Mode Menu8
 - 1. System Status Displays..... 8
 - 2. Maintenance Log Entry 8
 - 3. Maintenance Log Report 8
 - 4. Expanded Report Menu 8
 - 5. Enter a Password 8
 - 6. Initiate a Call Back 8
 - P. TRINET Program Mode Menu 8
 - C. MODEM OFF-LINE (Hang Up) 8
- Page Select Menu9
 - System Status Page..... 9
 - Individual Status Page(s)..... 9
 - Settings 9
 - Flow Data Page(s) 10
 - Log Parameters..... 10
 - Inputs & Outputs 10
- Page Definition & Layout10
 - 1. Page Description..... 10
 - 2. PT# 10
 - 3. Description 10
 - 4. Value 10
 - 5. Sts 11
 - 6. CurTm 11
 - 7. PrevTime 11
 - 8. Why? 11
 - 9. Choices 11
- Adjusting Point Settings.....11
 - To Force a Digital Point On 12
 - To Force a Digital Point Off..... 13
 - To Override a Numeric Point Value 14
 - To Override a Point for a Specified Time..... 15
- System Status Menu16
 - To View Details of a Specified Point 16
 - Explain the Point Value (A) 17
 - Rule Display (F) 17
 - Change Time/Date (I)..... 18
 - Input & Output Displays (K-N)..... 18
 - Logs (Q,S,U) 19
- Maintenance Log20
 - Entering Maintenance Notes..... 20
 - Viewing the Maintenance Log Report..... 21
- Retrieving Logs.....22
 - To Retrieve a Log 22

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Orenco Systems®
Incorporated

HyperTerminal

HyperTerminal is designed to satisfy your basic communications needs in an easy-to-use product. The user interface is similar to most Windows operating systems.

HyperTerminal is typically located in the Start Menu under the Accessories option.



To Create a New Connection

When the VCOM panel is installed and accessed for the first time, a new connection for the site must be created. A new connection is created by performing the following steps.

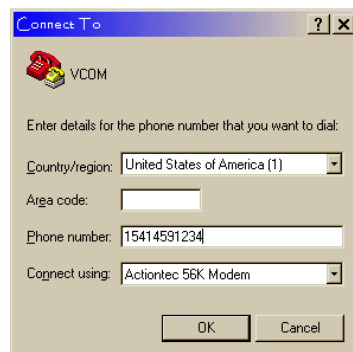
Step 1: Type a name that describes the connection (e.g., project name), select any icon, and then click **OK**.



Note

- If the connection description window is not open, click on the **File** menu, and click **New Connection**.

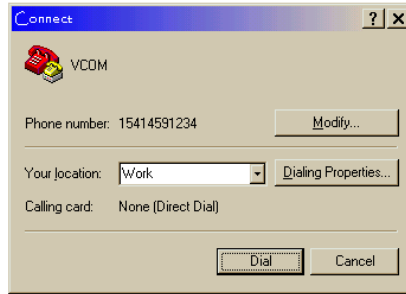
Step 2: Enter the phone number to the panel, and then click **OK**.



Note

- Leave the 'Area Code' box empty.
- Enter phone number exactly how it must be dialed (e.g., if a 9 is required to access an outside line or if the area code is needed for long distance).

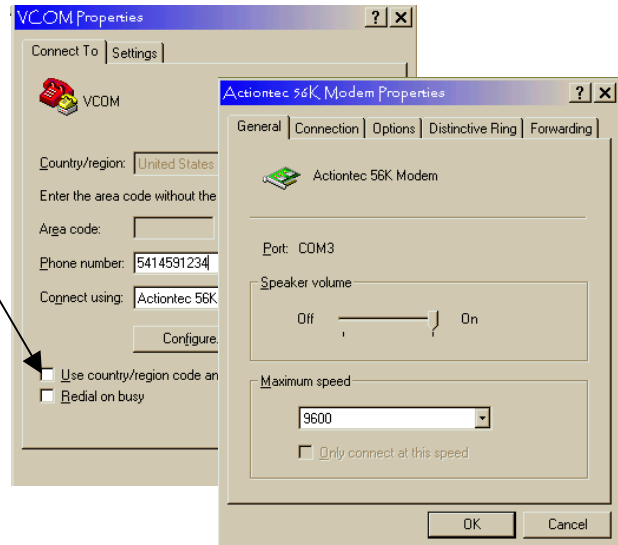
Step 3: Click the **Modify** button.



Step 4: Be sure the 'Use country/region code and area code' box is **NOT** checked.

Step 5: Click the **Configure** button.

Step 6: Change the maximum speed to 9600 and click **OK**.



Step 7: Click the **Cancel** button until all of the windows are gone. The HyperTerminal window is now available.

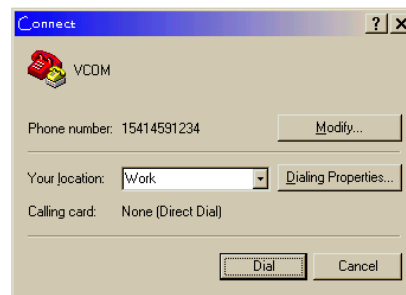
Step 8: On the **File menu**, click **Save**.

To Connect Remotely to a Custom VCOM Panel

After a new connection for the site has been created and saved, the site can now be accessed remotely. Follow the steps below to establish a connection with the VCOM panel.

Step 1: On the **File menu**, click **Open**, and then double-click the connection you want to use.

Step 2: Click **Dial**.



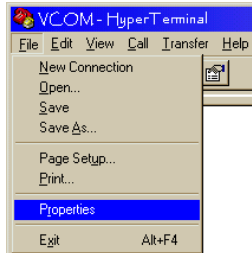
The computer will now establish a connection with the panel. This may take a few seconds. (Skip to page 7.)

To Connect Directly to a Custom VCOM Panel

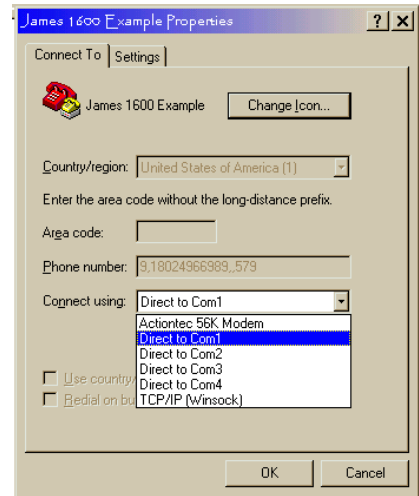
After a new connection for the site has been created and saved, the site can now be accessed directly. A null modem cable is needed for the direct connection. Connect one end of the null modem cable to the serial port on the laptop and the other end to the serial port on the telemetry board. Follow the steps below to directly connect with the VCOM panel.

Step 1: On the **File menu**, click **Open**, and then double-click the connection you want to use.

Step 2: Again on the **File menu**, click **Properties**.



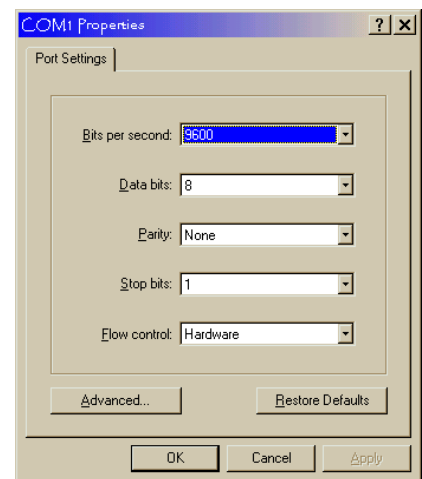
Step 3: Click on the **'Connect using'** box and select the Com Port that the PC is using for the connection.



Step 4: Click on the **Configure** button and select 9600 bits per second.

Step 5: Click **OK**.

Step 6: On the **Call menu**, click **Call**.



The computer will now establish a connection with the panel.

Login Screen

Once the computer and VCOM panel have made a successful connection, the login screen will be displayed.

```

L0 Ok Std      TriNet - copyright 1988-98, ISAC Inc.  V4.16E
<=====>

TTTTTTTTTTTTT      NNN      NNN
TTTTTTTTTTTTT      NNNN     NNN      tt
TTT      ii      NNN N     NNN      tttttttttt
TTT      NNN N     NNN      tt
TTT  r rrrr  ii  NNN  N  NNN      eeeee  tt
TTT  rr   r  ii  NNN  N  NNN      eeeeeee  tt
TTT  rr    ii  NNN  NNNN  ee      tt
TTT  rr    ii  NNN    NNN  eeeee  tt

                by Integrated Systems and Controls Inc.

                USER NAME:
                PASSWORD:
    
```

Note 

- A valid user name and password are required to gain access to the VCOM control systems.
- If you have not received your user name and password, please contact Orenco Systems, Inc.

Login Procedure

To login to the VCOM control system, follow the procedure below:

1. Type the User Name and press the TAB key.
2. Type the Password.
3. Press Enter.

If a mistake is made while entering the User Name or Password, press the ESC key until the cursor blinks at the User Name.

Run Mode Menu

This main menu is displayed after a successful login. The name of the current page being displayed will be labeled. The following options are available by pressing the number or letter that corresponds to the desired mode.

```

Dls                               RUN MODE MENU                               V4.20M
<=====>

1) System Status Displays
2) Maintenance Log Entry
3) Maintenance Log Report
4) Expanded Reports Menu
5) Enter a Password
6) Initiate a Call Back

P) TRINET Program Mode Menu
C) MODEM OFF-LINE (Hang up)
    
```

Note 

- To select a menu option, press the corresponding letter or number next to the desired page (e.g., press “1” for the System Status Displays page).
- Access to the Run Mode Menu options depends on the password level.
- The “TRINET” Program Mode Menu is for Orenco Systems’ engineers or advanced users.

1. System Status Displays

Current displays of the panel’s activities can be viewed. Viewing and adjusting parameters will be done here.

2. Maintenance Log Entry

Any changes or adjustments to the system can be manually logged for future reference.

3. Maintenance Log Report

All maintenance log entries can be viewed.

4. Expanded Report Menu

Activity, Alarm, and User Logs can be viewed, downloaded, and converted to Excel files.

5. Enter a Password

Logs you off of the current session, so a new User Name and Password can be used to log on.

6. Initiate a Call Back

Instructs the panel to call a predefined number after the current session is over.

P. TRINET Program Mode Menu

This is where the point rules are created and stored. Changes made in the Programming mode by non-authorized operators can void your system warranty and affect the operation of your system.

C. MODEM OFF-LINE (Hang Up)

Disconnects the current session with the controller.

Page Select Menu

The Page Select Menu will be displayed after the System Status Displays page has been selected from the Run Mode Menu. The Page Select Menu provides access to predefined pages within the custom application. These pages define various aspects of your system (e.g., inputs, outputs, system status, settings, flows, etc.) and are available for your viewing.

```

L0 Ok Std          PAGE SELECT MENU
<----->

A) System Status      I) Alarm Settings
B) Recirc Tank Status J) Log Parameters
C) Dose Tank Status  K) Misc
D) Recirc Tank Settings L)
E) Dose Tank Settings M)
F) Recirc Tank Flow Data N) Analog Inputs
G) Dose Tank Flow Data O) Digital Inputs
H)                    P) Digital Outputs
    
```

Note ◆

- To select a page, press the corresponding letter next to the desired page (e.g., press “A” for the System Status page).
- If a letter does not have a description then the page is empty and not used in the program.
- Pressing the ESC key will return you to the previous page.
- The pages defined on the Page Select Menu are custom to your application.
- Each page contains 16 points. For example, the System Status page will display points 1 through 16.

System Status Page

The System Status page provides an overview of the the entire system, including current alarm status, pump status, etc.

pump flow rate, local alarm delay, pager delays, etc.).

Individual Status Page(s)

Multiple status pages may be defined for your particular system. Individual status pages provide current information for major system components (e.g., recirc. tanks, dosing tanks, discharge tanks, final disposal, etc.).

Settings

Multiple setting pages may be defined for your particular system. Individual setting pages provide for viewing and adjusting the parameters for each application (e.g., timers,

Flow Data Page(s)

Multiple flow data pages may exist for your system. These pages provide detailed flow data (e.g., pump cycles today, pump time today, flow today, etc.).

Log Parameters

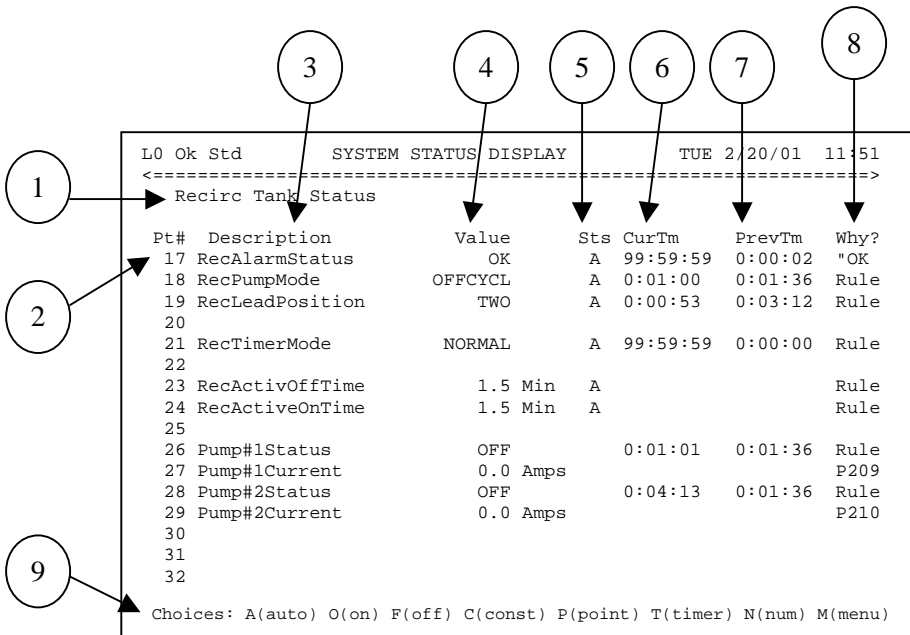
These pages determine when the system will record the user logs (e.g., monthly, hourly, and weekly). The points contained on these pages are maintained by Orenco Systems, Inc.

Inputs & Outputs

Multiple input and output pages may exist for your system. These pages display the status of digital and/or analog inputs and outputs.

Page Definition & Layout

All of the pages under System Status Display have the same appearance. Each of the pages contains the following nine fields:



Note

- The point numbers can be toggled on/off by pressing the letter "N" and Enter.
- To see a specific point, press "P" and Enter. Then enter the point number and press Enter.

The following tips apply to all screens within the TriNet System.

- ESC exits the current page.
- CTRL & Z scrolls 16 points backward.
- CTRL & W scrolls 16 points forward.
- TAB Φ moves cursor in sequence between control fields.
- ↵ Enter key executes desired command

1. Page Description

Identifies which page is being viewed (e.g., Recirc. Tank Status).

2. PT#

Identifies the program point number. Each page includes sixteen programming points. If the point numbers are not displayed, see NOTE.

3. Description

Describes each program point used.

4. Value

Displays the current value of the point. This can be displayed as a label (e.g., OK, HiLevel, OFF, OnCycle, etc.), a unit of measurement (e.g., min, gal, amps, etc.), a digital value (e.g., on or off), a date, or time.

5. Sts

If this column contains a variable, the point can be changed or adjusted.

6. CurTm

Provides the elapsed time for the current value.

7. PrevTime

Provides the total elapsed time for the previous point value.

8. Why?

Defines the reason for the value if available (e.g., rules, inputs, default value, etc.).

9. Choices

These options are available under the “Sts” column.

Adjusting Point Settings

Most VCOM panels are shipped with standard settings. Parameters may need to be adjusted to meet the system’s needs. Parameter adjustments are made by using the Choice Menu located at the bottom of the System Status Display screens. For example, a pump may need to be turned on or a local audible alarm may need to be turned off, temporarily. A parameter can be adjusted if there is a letter in the “Sts” column.

```

L0 Ok Std          SYSTEM STATUS DISPLAY          TUE 2/20/01 12:14
<----->
  Digital Outputs

Pt#  Description      Value      Sts CurTm   PrevTm   Why?
241  RecircTankPump1    on         A  0:00:08  0:04:48  Rule
242  RecircTankPump2    off        A  0:01:45  0:01:36  OFF
243  DoseTankPump3      off        A  2:19:27  0:04:07  Rule
244  DoseTankPump4      off        A  0:47:20  0:03:49  Rule
245  AlarmLight         on         O  99:59:59  0:00:04  Ovr/Const
246  AudibleAlarm      on         A  0:02:31  0:00:00  Rule
247
248
249
250
251
252
253
254
255
256

Choices: A(auto) O(on) F(off) C(const) P(point) T(timer) N(num) M(menu)
  
```

WARNING ▲

- Changes to parameters must be made between screen updates or they will not be saved. (This can be avoided by pressing the Enter key immediately after a letter is entered in the “Sts” column.)
- Overriding point values can severely affect the operation of your onsite system and will not allow the TriNet Logic to control a particular point.

Note ◆

- If a mistake is made while changing a parameter, press ESC.
- The point numbers can be toggled on/off by pressing the letter “N” and Enter.
- To see a specific point, press “P” and Enter. Then enter the

point number and press
Enter.

To Force a Digital Point On

When a point is forced on, the TriNet Logic for that point is overridden. The point will no longer use the internal program to determine its state. The point will continue to stay on until it is returned to Auto(A) state.

1. Using the TAB key or Arrow keys, move the cursor in the “Sts” column to select the point to be overridden.
2. Type “O” and immediately press Enter.

In this example, point #245, ‘AlarmLight’, will be manually turned on. The alarm light on the panel will stay on until an “A” is entered at point #245.

```

L0 Ok Std          SYSTEM STATUS DISPLAY          TUE 2/20/01 12:14
<----->
  Digital Outputs

Pt#  Description      Value      Sts CurTm   PrevTm   Why?
241  RecircTankPump1    on         A  0:00:08  0:04:48  Rule
242  RecircTankPump2    off        A  0:01:45  0:01:36  OFF
243  DoseTankPump3      off        A  2:19:27  0:04:07  Rule
244  DoseTankPump4      off        A  0:47:20  0:03:49  Rule
245  AlarmLight         off        A  99:59:59  0:00:04  OFF
246  AudibleAlarm       off        F  0:02:31  0:00:00  Ovr/Const
247
248
249
250
251
252
253
254
255
256

Choices: A(auto) O(on) F(off) C(const) P(point) T(timer) N(num) M(menu)
  
```

WARNING ▲

- Changes to parameters must be made between screen updates or they will not be saved. (This can be avoided by pressing the Enter key immediately after a letter is entered in the “Sts” column.)
- Overriding point values can severely effect the operation of your onsite system and will not allow the TriNet Logic to control a particular point.

Note ◆

- If a mistake is made while changing a parameter, press ESC.
- The point numbers can be toggled on/off by pressing the letter “N” and Enter.
- To see a specific point, press “P” and Enter. Then enter the point number and press Enter.

To Force a Digital Point Off

When a point is forced off, the TriNet Logic for that point is overridden. The point will no longer use the TriNet Logic to determine its state. The point will continue to stay off until it is returned to Auto(A) state.

1. Using the TAB key or Arrow keys, move the cursor in the “Sts” column to select the point to be overridden.
2. Type “F” and immediately press Enter.

In this example, point #246, ‘AudibleAlarm’, will be manually turned off. The audible alarm on the panel will stay off until an “A” is entered at point #246.

```

L0 Ok Std      SYSTEM STATUS DISPLAY      TUE 2/20/01 12:08
<=====
Dose Tank Settings

Pt#  Description      Value      Sts CurTm      PrevTm      Why?
65
66 Pump3Flow          30.0 GPM   A
67 Pump4Flow          30.0 GPM   A
68
69
70
71
72 Pump3HiAmpLimit    12.0 Amps  C
73 Pump3LoAmpLimit    8.0 Amps   A
74 Pump4HiAmpLimit    12.0 Amps  A
75 Pump4LoAmpLimit    8.0 Amps   A
76
77 Pump3On&Wait        off         A 2:13:33   0:03:56   OFF
78 Pump4On&Wait        off         A 0:41:26   0:03:37   OFF
79
80

Enter constant value (+-xxx.x or Label): 14.0
Choices: A(auto) O(on) F(off) C(const) P(point) T(timer) N(num) M(menu)

```

WARNING ▲

- Changes to parameters must be made between screen updates or they will not be saved. (This can be avoided by pressing the Enter key immediately after a letter is entered in the “Sts” column.)

Note ◆

- If factory default settings need severe adjustments, the operator should contact Orenco Systems, Inc. to implement changes.
- If a mistake is made while changing a parameter, press ESC.
- The point numbers can be toggled on/off by pressing the letter “N” and Enter.
- To see a specific point, press “P” and Enter. Then enter the point number and press Enter.

To Override a Numeric Point Value

Points that can be overridden are usually found on the setting page and contain a numerical label (e.g., mins, hrs, GPM, etc.). Overriding a numeric value will cause the TriNet Logic to adjust and implement changes.

1. Using the TAB key or Arrow keys, move the cursor in the “Sts” column to select the point to be overridden.
2. Type “C” and immediately press Enter
3. Enter the new constant value, press Enter.

In this example, point #72, ‘Pump3HiAmpLimit’, will be changed from 12.0 Amps to 14.0 Amps.

```

L0 Ok Std      SYSTEM STATUS DISPLAY      TUE 2/20/01 12:36
<----->
  Digital Outputs

Pt#  Description      Value      Sts  CurTm   PrevTm   Why?
241  RecircTankPump1    off        T    0:01:03  0:00:38  Rule
242  RecircTankPump2    off        A    0:04:15  0:01:36  Rule
243  DoseTankPump3      off        A    2:41:10  0:04:07  Rule
244  DoseTankPump4      off        A    1:09:03  0:03:49  Rule
245  AlarmLight         off        A    0:21:25  0:00:11  OFF
246  AudibleAlarm       off        A    0:24:14  0:00:00  Rule
247
248
249
250
251
252
253
254
255
256

Enter Override Time (hh:mm or xxx secs): 120
Choices: A(auto) O(on) F(off) C(const) P(point) T(timer) N(num) M(menu)

```

WARNING ▲

- Changes to parameters must be made between screen updates or they will not be saved. (This can be avoided by pressing the Enter key immediately after a letter is entered in the “Sts” column.)

Note ◆

- If a mistake is made while changing a parameter, press ESC.
- The point numbers can be toggled on/off by pressing the letter “N” and Enter.
- To see a specific point, press “P” and Enter. Then enter the point number and press Enter.

To Override a Point for a Specified Time

This procedure overrides the TriNet Logic and changes the value of a point for a specified period of time and then returns it to the previous value. This can be used for both digital and numeric values.

1. Using the TAB key or Arrow keys, move the cursor in the “Sts” column to select the point to be overridden.
2. Type “T” and immediately press Enter.
3. Type “O” (on), “F” (off), the desired numeric value or the label, and press Enter.
4. Enter the length of Time (if seconds are needed, enter the number of seconds, such as, 120), if minutes or hours are needed, enter value with a colon, (such as, HH:MM); then press Enter.

In this example, point #241, the ‘RecircTankPump1’, will be turned on for 120 seconds; then it will revert back to its auto value.

System Status Menu

A point can be evaluated in detail using the menu option on the choices. The rules for the point can be displayed. The type of information presented is useful for various troubleshooting procedures. The cursor must be placed in the “Sts” column of the point for evaluation. Common functions are as follows:

```

L0 Ok Std          SYSTEM STATUS DISPLAY          TUE 2/20/01 16:22
<=====>
System Status

Pt#  Description          Value          Sts CurTm    PrevTm    Why?
1  AlarmStatusRec         LowLvl         M_ 0:0:10   0:59:59   P17
2  PumpModeRec            OFF            0:01:10   0:01:36   P18
3
4  RecFlowToday           14769 Gal          P91
5
6  AlarmStatusDose         OK              99:59:59  0:00:56   P33
7  PumpModeDose           PUMPOFF        0:42:28   0:03:53   P36
8
9  DoseFlowToday          1437.0 Gal          P107
10
11 AlarmStatGrease         OK              99:59:59  0:00:00   "OK
12
13 AlarmStatSeptic        OK              99:59:59  0:00:00   "OK
14
15
16

Choices: A(auto) O(on) F(off) C(const) P(point) T(timer) N(num) M(menu)
    
```

Note ◆

- If a mistake is made while entering a choice, press ESC.
- The point numbers can be toggled on/off by pressing the letter “N” and Enter.
- To see a specific point, press “P” and Enter. Then enter the point number and press Enter.

To View Details of a Specified Point

1. Using the TAB key or Arrow keys, move the cursor in the “Sts” column to select the point to be evaluated.
2. Type “M” in the “Sts” Column and immediately press Enter.

The current value of the selected point is displayed.

```

L0 Ok Std          SYSTEM STATUS MENU
<=====>

Point# 1 (AlarmStatusRec) is now:          LowLvl

A) Explain the Point Value

B) Page Select Menu          K) Analog Input Display
C) Time Program Display      L) Analog Output Display
D) Holiday Display           M) Digital Input Display
E) Optimizer Display         N) Digital Output Display
F) Rule Display              O) Point Timer Display
G) Enter/Edit Time Program   V) Network Values Display
H) Enter/Edit Holiday        Q) Alarm Log
I) Change Time/Date         S) Activity Log
J) PID Logic Display         U) User Log
W) Sequencer Display        T) Composite Time Prog Disp

R) TRINET Run Mode Menu     P) TRINET Program Mode Menu
    
```

WARNING ▲

- The options on the System Status Menu not described in this manual are not for an operator's use. Changing information on these pages may void the warranty.

Note ◆

- If a mistake is made while entering an option, press ESC.
- Pressing the ESC key at anytime will return to the previous screen.

Explain the Point Value (A)

This option will describe the program logic that is currently responsible for the point's value. All other value possibilities are listed.

```

POINT VALUE EXPLANATION
=====

THU 3/1/01  11:34 Std

Point# 1 (AlarmStatusRec) is now:      LowLvl
DUE TO Rule 119

Logic that exists for this point:
                                Rule Changes Point
                                Used by Rule
                                Point Definition Default

                                Press any key to continue
    
```

Note ◆

- If no data is available, a message of “No Data to Report” will be displayed.
- Pressing the ESC key at anytime will return to the previous screen.
- Pressing the ESC key at anytime will return to the previous screen.

Rule Display (F)

The rules for the point can be displayed. The rule controlling the point will be displayed first. The other rules that apply to the point can be displayed by repeatedly pressing the Enter key.

```

L0 Ok Std          CONTROL RULE SUMMARY
<=====>
POINT: 1 (AlarmStatusRec) {LowLvl }  RULE: 119 {true}
-- IS --
  "LowLvl
-- IF --
P35  (BottomFloat) {OK}  =  "OK
-- AND --
P179 (RO) {off}  =  OFF

LIST RULE # (1-256): 0
    
```

Note ◆

- If no rules are controlling a point, a message of “No Rule Applies!” will be displayed.
- Pressing the ESC key at anytime will return to the previous screen.

Change Time/Date (I)

The time and date are used in the programming, so it is necessary for the VCOM panel to have the correct time and date. The clock is 24-hour and does not require AM or PM.

```

L0 Ok Std          SYSTEM DEFINITIONS
<=====>

                Current Date: 2/21/01
                Current Time: 15:42
Standard/Daylight Time(S,D): S
    
```

Note ◆

- TriNet's date format is mm/dd/yy.
- The clock must include the colon between the hour and minutes.
- Define whether the current setting is standard time (S) or daylight savings time (D).
- Press the TAB key to switch between fields.
- Press the Enter key to save the changes.

Input & Output Displays (K-N)

These pages will display the current values for the analog/digital inputs or outputs.

```

TRINET V4.16E ANALOG INPUT REPORT          2/21/01
15:44

#   Description      Status
1   Pump1CS          11.3 Amps
2   Pump2CS          0.0 Amps
3   Pump3CS          0.0 Amps
4   Pump4CS          0.0 Amps
5   Not Used
6   Not Used
7   5 VDC PS         5.0
8   24 VDC PS        23.8

Press ESC to cancel, or any other key to continue
    
```

Logs (Q,S,U)

These pages will display the activity log, alarm log, or user log.

The activity log will report input or output activity with a date and time stamp. To view an activity log, the cursor must be on the digital input/output to be monitored before entering the System Status Menu.

The alarm log will report any PC board failures (e.g., low battery, power failures).

The user log is where the programming data is reported (e.g., level alarms, daily pump run times, etc.). The user logs will be separated into individual pages. This menu is where user log numbers can be determined and viewed before downloading.

```

TRINET V4.16E ACTIVITY LOG REPORT                2/20/01 16:53

                POINT 245 (AlarmLight) ACTIVITY DATA

ACTIVITY logged:
Cause of Activity  Item Value Date   Time   Date   Time
PT-ON      ,AlarmLight 245  on  2/20/01 12:14:40 2/20/01 12:14:51

Press ESC to cancel, or any other key to continue
    
```

Note ◆

- If no data is available to report from the logs, a message of "No Data to Report" will be displayed.
- Pressing the ESC key at anytime will return to the previous screen.

Maintenance Log

Any changes or adjustments to the system can be manually logged for future reference.

```

L0 Ok Std          RUN MODE MENU          V4.16E
<=====>

      1) System Status Displays
      2) Maintenance Log Entry
      3) Maintenance Log Report
      4) Expanded Reports Menu
      5) Enter a Password
      6) Initiate a Call Back

      P) TRINET Program Mode Menu
      C) MODEM OFF-LINE (Hang up)
  
```

Entering Maintenance Notes

1. Press "2" from the Run Mode Menu.
2. Type the desired note.
3. Press Enter.

```

L0 Ok Std          MAINTENANCE LOG
<=====>

      User Name: sammyT
      Date/Time: 2/8/01 11:26:18
      Notes: everything looks OK
  
```

Note

- Notes cannot be over 50 characters.

Viewing the Maintenance Log Report

All the maintenance log entries can be viewed.

1. Press “3” from the Run Mode Menu.
2. Select “A” for Report Format.
3. Select “A” for Transmission Format.
4. Press Enter.
5. Type “Y” to pause after each screen.
6. Press Enter to generate report.

```
TRINET V4.20M MAINTENANCE LOG                2/23/01 14:41
Date      Time      User name   Notes
2/1/01    12:47:36  OSI        Recirc OVRTimer on/off to 75min/60sec
2/8/01    11:26:18  sammyT     everything looks OK

Press ESC to cancel, or any other key to continue
```

Retrieving Logs

To download various logs (i.e., user, alarm, or activity) from the panel, follow the steps below.

```
L0 Ok Dls                RUN MODE MENU                V4.20M
<=====>

1) System Status Displays
2) Maintenance Log Entry
3) Maintenance Log Report
4) Expanded Reports Menu
5) Enter a Password
6) Initiate a Call Back

P) TRINET Program Mode Menu
C) MODEM OFF-LINE (Hang up)
```

To Retrieve a Log

1. Press “4” from the Run Mode Menu.

```
L0 Ok Dls                EXPANDED REPORTS MENU            V4.20M
<=====>

1) Activity Log Report
2) Alarm Log Report
3) User Log Report
4) Digital Output Summary Display

P) TRINET Program Mode Menu
R) TRINET Run Mode Menu
```

2. Select the desired report that you would like to retrieve by pressing the corresponding letter from the menu option.

```

L0 Ok Dls          ACTIVITY LOG REPORT
<----->

Report for which point (1-480 or 0 for all)? 1

Report format (A for ASCII, D for DIF)? D

Transmission format (A for ASCII, X for X-Modem)? X
    
```

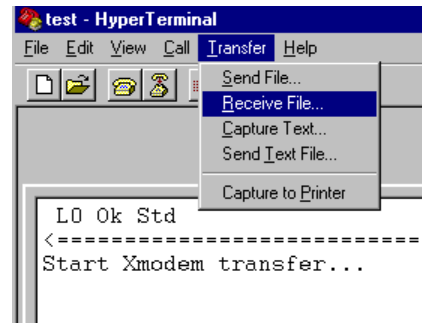
Note ◆

- * The file will be downloaded to the specified path with the specified file name.
- * If the file is saved in a .txt format, then it can be easily accessed with any text editor (e.g., MS Word, WordPad, etc.).
- * If the file is saved as a .dif format, it can be easily accessed in Excel.
- * Once the 'Start X-modem Transfer' prompt appears, the system allows the user 1 minute to click on the Receive File.

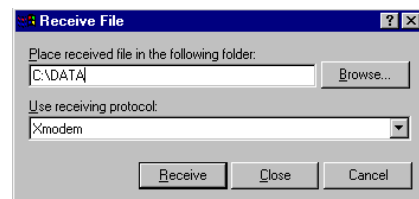
3. Type the point/log number, press the TAB key.
4. Type "A" for an ASCII report format (for text editor)* or "D" for a DIF report format (for excel file)*; then press the TAB key.
5. Type "X" for X-Modem transmission format.
6. Press **Enter**.

You will be prompted to start the transfer.

7. On the **Transfer** menu, click on **Receive File**.



8. Enter a path on your local drive to receive the report (e.g., C:\Data).
9. Select **Xmodem** from the receiving protocol option.
10. Click on **Receive**.



11. Enter a file name (e.g., recircdata.dif)*.
12. Click on **OK**.

