17.0 MANUAL PROGRAMS

Manual Programs: Provides an independent supplement to regularly scheduled irrigation. Typical use of Manual Programs might include over seeding, fertilizing and walk-thru.

1. From the toolbar at the top of the screen select **Communications** then scroll down to **Speed Communications** and click on it (Figure 17.0.1).

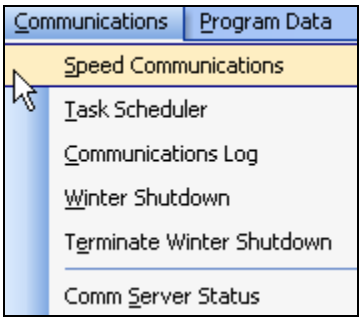

Figure 17.0.1

2. Select the Site / Controller that you want to perform Speed Communications on from the "**Site / Controller**" window. Make sure that it is highlighted (Figure 17.0.2).

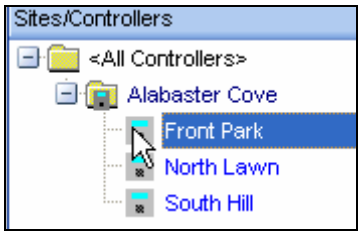

Figure 17.0.2

3. From the List of icons to the right of the "**Speed Communications**" screen select the **Get Manual Programs** Icon (Figure 17.0.3).

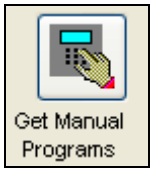

Figure 17.0.3

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 17.0.4).

Figure 17.0.4

Note: After the communications task has taken place the "**Manual Program**" screen will appear.

FOR ET1 / ET2000 CONTROLLERS (400 SERIES) MANUAL PROGRAMS SEE SECTION 17.1

FOR ET2000 CONTROLLERS (500 SERIES) MANUAL PROGRAMS SEE SECTION 17.2

17.1 ET1 / ET2000 CONTROLLERS (400 SERIES) MANUAL PROGRAMS

Note: The "**Manual Special Sequence**" screen will appear (Figure 17.1.1).

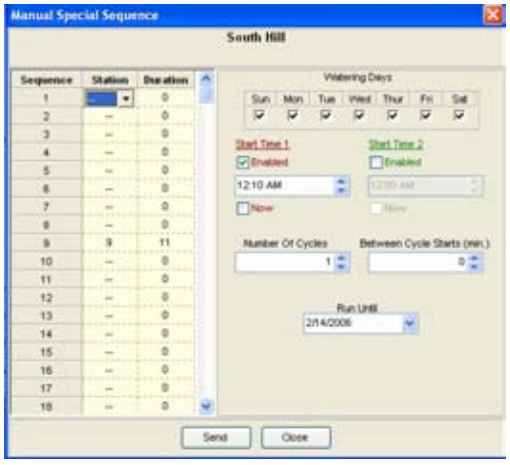

Figure 17.1.1

Manual Special Sequence: Manual Special Sequence is an independent program that provides additional irrigation to the landscape from the normal day to day programmed irrigation.

Sequence: The order in which the selected stations will turn on (Figure 17.1.2).

Sequence
1
2
3
4
5

Figure 17.1.2

Station: The irrigation valves that irrigate a particular landscape area. Click on the **DOWN** arrow to select a particular station. The station order does not have to be sequential. Example: 4-5-3-1-2. Changing the order of valves turning on is helpful when doing a walk-thru (Figure 17.1.3).

1. To the right of the number 1 in the Sequence column, use the drop down arrow under Station to select the first station that you want to come on (Figure 17.1.3).

Sequence	Station
1	4
2	?
3	--
4	

Figure 17.1.3

2. Use this same method until all of the stations that you want to assign to a sequence or Walk-through are entered.

Duration: The amount of time, in minutes, the station will run.

3. Enter a duration time for each station (Figure 17.1.4).

Sequence	Station	Duration
1	4	20
2	--	0

Figure 17.1.4

Watering Days: Sunday thru Saturday, Checking the box will enable the water day

4. Check the appropriate box for each day that you want this sequence to run (Figure 17.1.5).

Figure 17.1.5

Start Time 1 & 2: Check the box to enable a start time.

5. Use the **UP** and **DOWN** arrows to enter a Start time, or click on the box and type the time in manually (Figure 17.1.6).

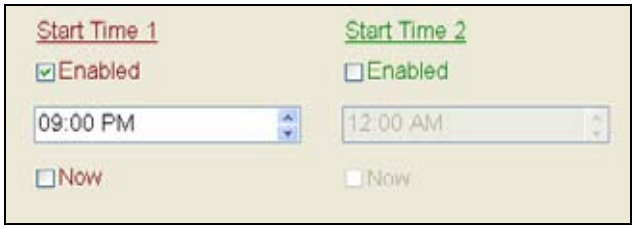

Figure 17.1.6

Note: The **Now** box must be unchecked before sending the Manual Special Program. It is informing you that the controller is set for the NOW command (Figure 17.1.7).

Figure 17.1.7

Number of Cycles: How many times do you want to repeat this Special Sequence.

6. Next you will need to enter the number of cycles. Use the **UP** and **DOWN** arrows to adjust the cycles (Figure 17.1.8).

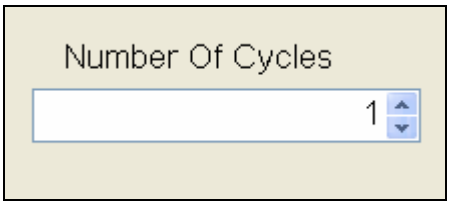

Figure 17.1.8

Between Cycle Starts (min.): The amount of time in minutes between cycles.

Note: ET2000 400 series between cycle starts have no effect if the number of cycles is set to 1.

7. Use the **UP** and **DOWN** arrows to adjust the amount of time for Between Cycle Starts (Figure 17.1.9).

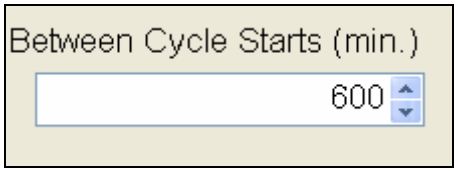

Figure 17.1.9

Run Until: The date to stop the Special Manual Program.

8. Enter a date that you want this sequence to run until (Figure 17.1.10).

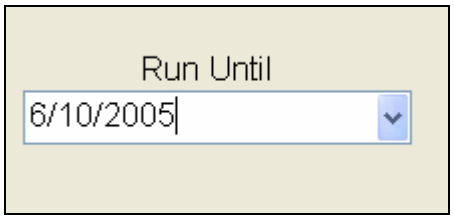

Figure 17.1.10

9. You can enter the date by using the drop down arrow and changing the date by using the calendar feature. Use the **BLACK** arrows to change the month or year and then click on a day of the month to select. You can also use the **Today** button to select today's date (Figure 17.1.11).

Figure 17.1.11

Send: Send this Manual Special Program to the controller.

10. Clicking on the **Send** button will send this sequence to the controller selected (Figure 17.1.12).

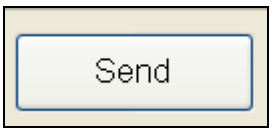

Figure 17.1.12

Close: Close the current screen and don't send the program to the controller (Figure 17.1.13).

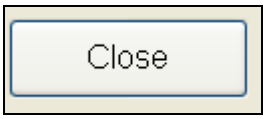

Figure 17.1.13

Note: Clicking the **Close** button will close you out of this screen without sending the data to the controller. This program will not be saved.

17.2 ET2000 CONTROLLERS (500 SERIES) MANUAL PROGRAMS

The ET2000 500 Series controller contains five separate Manual Programs; Manual Programs 1 & 2, Walk Through, Use Hold-Over, and Master Valve Override.

MANUAL PROGRAM 1 & 2

Note: The "**Manual Programs**" screen will appear (Figure 17.2.1).

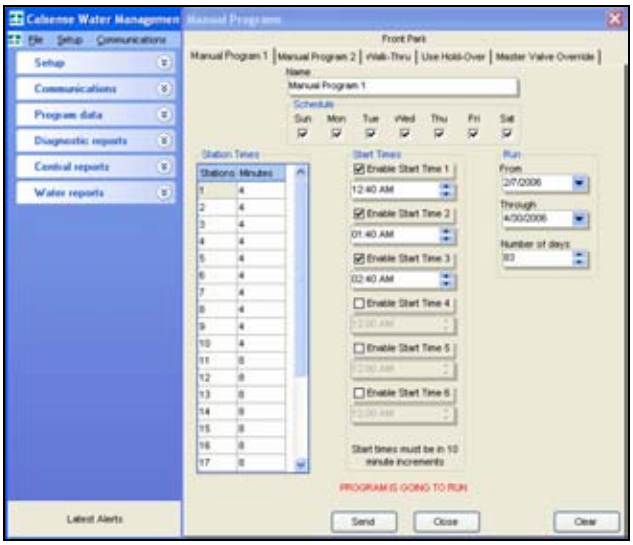

Figure 17.2.1

Name: The name of the Manual Program is editable.

1. Click on the **Name** box and type in a new name that might better describe the use for the Manual Program. (Example: Over seeding) (Figure 17.2.2).

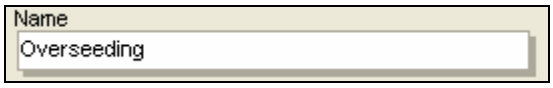

Figure 17.2.2

Note: The name that you just entered will appear on the first tab at the top of the screen, and also on the Manual Program screen of the controller once sent (Figure 17.2.3).

Figure 17.2.3

Schedule: Seven day scheduling Sunday thru Saturday.

2. Check the appropriate box for each day that you want this schedule to run (Figure 17.2.4).

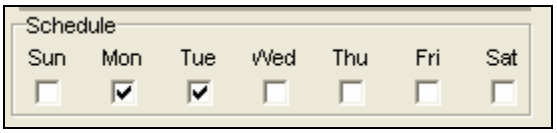

Figure 17.2.4

Start Times: There are six separate Start Time options.

3. Check the box for each Start Time that you want to enable (Figure 17.2.5).

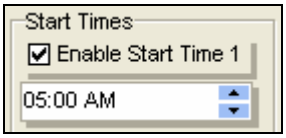

Figure 17.2.5

Note: Start times must be in 10 minute increments. Use the **UP** and **DOWN** arrows to change the time in each start time box.

Run From: This is the date to start the Manual Program.

4. Enter the date that you want this Program to begin on (Figure 17.2.6).

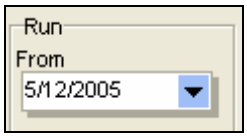

Figure 17.2.6

Note: You can enter the date by using the drop down arrow and changing the date by using the calendar feature. Use the **BLACK** arrows to change the month or year and then click on a day of the month to select. You can also use the **Today** button to select today's date (Figure 17.2.7).

Figure 17.2.7

Through: The date to stop the Manual Program.

5. Enter the date that you want the program to stop (Figure 17.2.8).

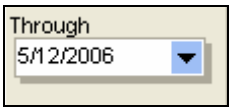

Figure 17.2.8

Note: You can enter the date by using the drop down arrow and changing the date by using the calendar feature. Use the **BLACK** arrows to change the month or year and then click on a day of the month to select. You can also use the **TODAY** button to select today's date (Figure 17.2.9).

Figure 17.2.9

Number of Days: The number of days will be the total of run from / through dates. It is also possible not to select the run from / through dates and directly enter the number of days to run the Manual Program.

Note: You can use the **Run From / Through** blocks to enter a time period, or enter the number of days that you want the program to run. The **Through** date will change automatically (Figure 17.2.10).

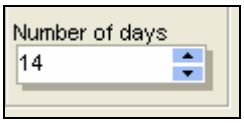

Figure 17.2.10

Send: Send this Manual Special Program to the controller (Figure 17.2.11).

Close: Close the current screen and don't send the program to the controller. The data will not be saved (Figure 17.2.11).

Clear: All Station Times, Scheduled water days and Start Times will be deleted (Figure 17.2.11).

Figure 17.2.11

WALK THRU

Manual Walk Thru is a program used to orchestrate a visual inspection of all valves and heads for proper operation.

1. When you click on the **Walk Thru** tab the "**Walk Thru**" screen will appear (Figure 17.2.12).

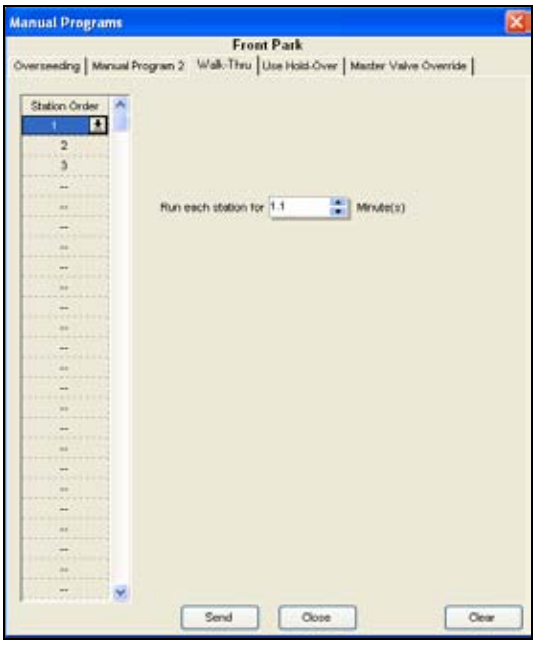

Figure 17.2.12

Station Order: The station order does not have to be sequential. Example: 4-5-3-1-2.

2. Use the drop down arrow to the right of the "**- -**"symbols to change to a station number (Figure 17.2.13).

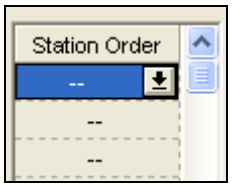

Figure 17.2.13

3. Use this same method to enter all of the stations that you want to view during a Walk Through (Figure 17.2.14).

Figure 17.2.14

Run each station for: Enter the run time minutes.

4. Use the **UP** and **DOWN** arrows to adjust the time for each station (Figure 17.2.15).

Note: When entering the time for each station to run factor in the time that it would physically take you to get from one station to the next. This will ensure that each station that you walk by is running at that time.

Figure 17.2.15

Send: Send this Walk-Thru Program to the controller.

5. Click on the **Send** button to send this information to the controller (Figure 17.2.16).

Figure 17.2.16

Close: Close the current screen and don't send the program to the controller. Data will not be saved (Figure 17.2.17).

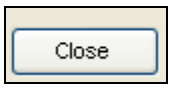

Figure 17.2.17

Clear: This will clear the Walk-Through Program without saving it (Figure 17.2.18).

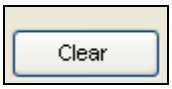

Figure 17.2.18

USE HOLD OVER

Hold-Over time is generated whenever scheduled irrigation has not completed at the Stop time. The controller will first try and use up any hold-over in the table after scheduled irrigation but before the Stop Time has been reached. The Use Hold-Over feature allows the user to schedule a specific time and day(s) to try and use up any hold-over in the table.

1. Click on the **Use Hold-Over** tab. This will bring up the "**Use Hold-Over** "screen (Figure 17.2.19).

Figure 17.2.19

Run Hold-Over: Check the box to enable the Use Hold-over feature.

2. Click on the **Run Hold-Over** box to enable the Hold-Over Program (Figure 17.2.20).

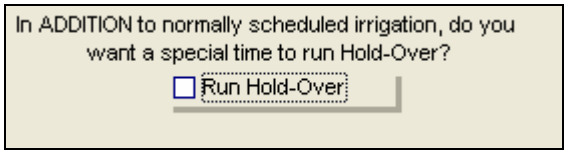

Figure 17.2.20

Note: This will open up the Hold-Over enabling choices (Figure 17.2.21).

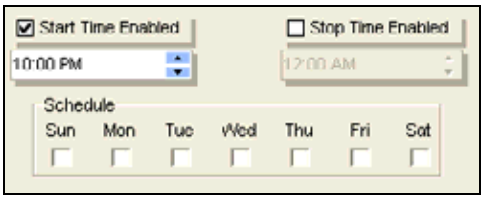

Figure 17.2.21

Note: When creating a Use Hold-Over window, **you must** have a **START** and **STOP** time.

Start Time Enabled: This will allow you to set up a start time.

3. Check the box to enable. Highlight the **START TIME** and use the **UP** and **DOWN** arrows to adjust the time (Figure 17.2.22).

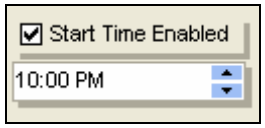

Figure 17.2.22

Stop Time Enabled: This will allow you to set up a stop time.

4. Check the box to enable. Highlight the **STOP TIME** and use the **UP** and **DOWN** arrows to adjust the time (Figure 17.2.23).

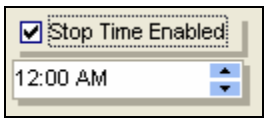

Figure 17.2.23

Schedule: Seven day scheduling Sunday thru Saturday.

5. Check the days that you want to use Hold-Over on (Figure 17.2.24).

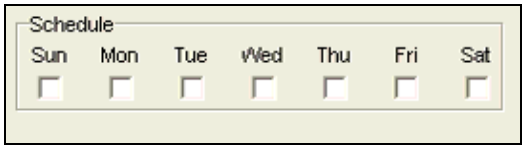

Figure 17.2.24

Send: The Send button will send this program to the controller.

6. Click on the **Send** button to send the Use Hold-Over data to the controller (Figure 17.2.25).

Figure 17.2.25

Close: This will exit the program without sending it to the controller. Data will not be saved.

7. Click on the **Close** button if you do not want to send this schedule to the controller (Figure 17.2.26).

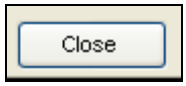

Figure 17.2.26

Master Valve Override

The master valve override is a program that enables the scheduled opening of a normally closed master valve in the ET2000 controllers with 500 series software.

1. Click on the **Master Valve Override** tab to bring up the "**Master Valve Override**" screen (Figure 17.2.27).

Figure 17.2.27

Note: When scheduling a master valve override, **you must** have a **START** and **STOP** time for the day selected. If not, the program will not run.

Enable: Check the boxes to enable the day(s) to use master valve override.

2. Select an **Enabled** box for the day that you want the Master Valve Override to occur on (Figure 17.2.28).

Figure 17.2.28

3. Use the **UP** and **DOWN** arrows to adjust the time that you want the Master Valve to OPEN.

Close: Select a time to close the normally closed master valve.

4. Use the **UP** and **DOWN** arrows to adjust the time for the master valve to close (Figure 17.2.29).

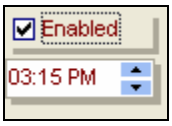

Figure 17.2.29

Send: The Send button will send this program to the controller.

5. Click on the **Send** button to send the Master Valve Override data to the controller (Figure 17.2.30).

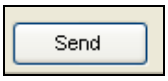

Figure 17.2.30

Close: This will exit the program without sending it to the controller.

6. Click on the **Close** button if you do not want to send this schedule to the controller (Figure 17.2.31).

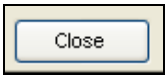

Figure 17.2.31

NOTES