

6.0 SPEED COMMUNICATIONS

Speed Communications: Speed Communications is used to communicate with one or more controllers without building or scheduling a task. It performs a particular command now. Speed communications allows the selection of an entire site, multiple sites, multiple controllers from multiple sites or just a single controller.

Note: The following options **are** covered in this section:

- Send No Water Days. Section 6.5
- Controller On. Section 6.6
- Controller Off. Section 6.7
- Clear Main Line Break. Section 6.12
- Master Valve Override. Section 6.13
- Clear Hold Over. Section 6.14
- Set Time and Date. Section 6.15

All others options will direct you to the section that covers them in more detail.

- Get Alerts. Section 20.0
- Get Program Data. Section 16.0
- Get Station History. Section 21.0
- Get All Diagnostics. Section 16.0, 20.0, 21.0
- Direct Access. Section 7.0
- Get Manual Programs. Section 17.0
- Send Access Control Codes. Section 9.0
- Get Lights. Section 18.0

1. In the toolbar at the top of the screen select **Communications** then scroll down to **Speed Communications** and click on it (Figure 6.0.1).

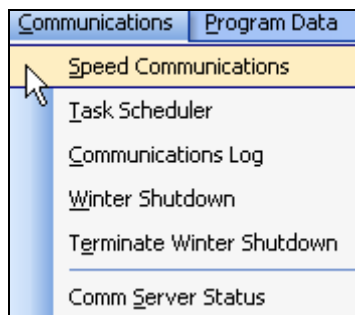


Figure 6.0.1

2. Select the Site / Controller that you want to perform the Speed Communications on from the **“Site / Controller”** window (Figure 6.0.2)

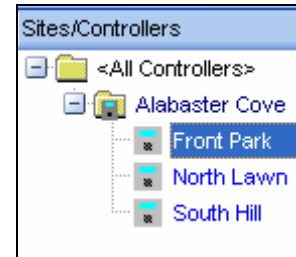


Figure 6.0.2

Note: Make sure that the controller or site that you want to perform the task on is highlighted. Then select the task from the list of icons to the right (Figure 6.0.3).



Figure 6.0.3

Note: When a controller is selected for a speed communication and the icon is grayed out, that option is not available on that model of controller.

6.1 GET ALERTS

Get Alerts: The Get Alerts command is used to gather the controller’s diagnostic lines. The diagnostic report consists of all alert messages recorded by the controller in a given 24 hour period.

1. From the List of icons to the right of the **“Speed Communications”** screen select the **Get Alerts** icon (Figure 6.1.1).



Figure 6.1.1

SEE SECTION 20.0 FOR MORE DETAILS

6.2 GET PROGRAM DATA

Get Program Data: The Get Program Data command is used to gather all the programming information of the controller. The controller’s program data is divided into four different categories, the controllers schedule, flow, weather, and setup.

1. From the List of icons to the right of the “Speed Communications” screen select the **Get Program Data** icon (Figure 6.2.1).

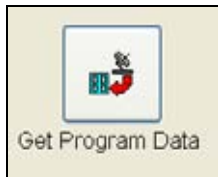


Figure 6.2.1

SEE SECTION 16.0 FOR MORE DETAILS

6.3 GET STATION HISTORY

Get Station History: The Get Station History command is used to retrieve the record of each stations irrigation activity for a given day(s). The station history report contains each stations Start date/time, Program assignment, Cycle repeats, Programmed minutes, Applied minutes, Applied gallons, Applied inches, High limit (GPM), Flow (GPM), Low limit (GPM), Hold over minutes, Manual/Test (GPM), Trip% (High & Low flow when using the learned mode.), Moisture sensor: Set point and last reading, Flag: a station alert.

1. From the List of icons to the right of the “Speed Communications” screen select the **Get Station History** icon (Figure 6.3.1).



Figure 6.3.1

SEE SECTION 21.0 FOR MORE DETAILS

6.4 GET ALL DIAGNOSTICS

Get All Diagnostics: The Get All Diagnostics command is used to gather in one communication set the controllers Alerts, Program Data and Station History Lines.

1. From the List of icons to the right of the “Speed Communications” screen select the **Get All Diagnostics** icon (Figure 6.4.1).

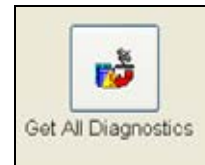


Figure 6.4.1

SEE SECTION 16.0, 20.0, and 21.0 FOR MORE DETAILS

6.5 SEND NO WATER DAYS

Send No water Days: No Water Days are used to skip an irrigation day(s) without changing the current irrigation scheduled. When the no water day(s) sent to the controller expires, the controller will resume irrigating the next regular scheduled irrigation day.

1. From the List of icons to the right of the “Speed Communications” screen select the **Send No Water Days** icon (Figure 6.5.1).

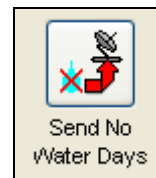


Figure 6.5.1

Note: ET2000 controllers (500 series) can select no water days by **All Stations, Program** or **Single Station**. When sending no water to a site that has ET2000 (500 series) controllers with ET1 or ET2000 (400 Series) controllers in the same site, No Water Days will be **All Stations ONLY**.

Note: A “**No Water Days**” window will appear asking: “Enter the number of days you would like to turn the water off for: (Name of Site / Controller)” (Figure 6.5.2).



Figure 6.5.2

- There is a drop down arrow to the right of the first box. This box will allow you to choose All Stations, Certain Programs, or Individual Stations. Highlight the choice that you want and then move to the next box (Figure 6.5.3).



Figure 6.5.3

- Using the **UP** and **DOWN** arrow select the number of No Water Days 1-31 that you want to send to the controller(s) (Figure 6.5.3).

- Click on the **OK** button to send.

Note: If you do not want to send the No water Days to this controller click on the **Cancel** button.

Note: A communications screen will appear letting you know that you are communicating with the controller selected (Figure 6.5.4)



Figure 6.5.4

Note: After the communications task has taken place the “**Communications Completed**” screen will appear (Figure 6.5.5).

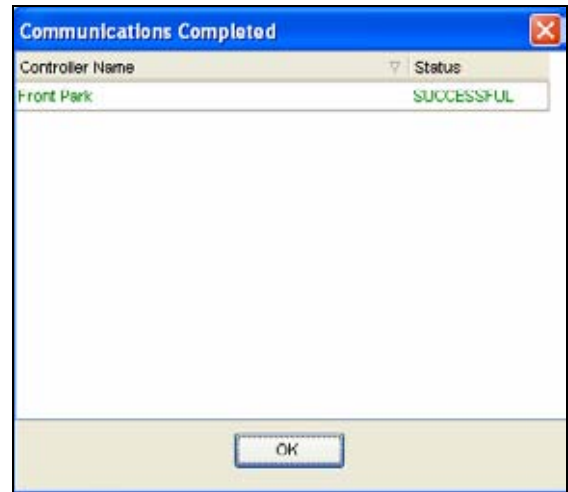


Figure 6.5.5

- Click on the **OK** button.

6.6 CONTROLLER ON

Controller ON: Turns ON a controller that is in the OFF mode.

1. From the Site / Controller List select the controller that you want to turn on. Make sure that it is highlighted (Figure 6.0.2).
2. From the list of icons to the right of the “Speed Communications” screen select the **Controller ON** Icon (Figure 6.6.1).



Figure 6.6.1

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4)

Note: After the communications task has taken place the “Communications Completed” screen will appear (Figure 6.5.5).

3. Click on the **OK** button.

6.7 CONTROLLER OFF

Controller OFF: Turn OFF a controller that is in the Auto mode.

1. From the Site / Controller List select the controller that you want to turn off. Make sure that it is highlighted (Figure 6.0.2).
2. From the List of icons to the right of the “Speed Communications” screen select the **Controller OFF** Icon (Figure 6.7.1).



Figure 6.7.1

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4).

Note: After the communications task has taken place the “Communications Completed” screen will appear (Figure 6.5.5).

3. Click on the **OK** button.

6.8 DIRECT ACCESS

Direct Access: Direct access is a direct link to the controller in the field which provides a real time view of the controllers display screen and current activity. Direct access also allows the user to test and manually water stations, turn On/Off the controller and master valve override.

Note: Direct access does not support programming changes to the controller and is limited to only the highlighted keys on the keypad. Any keys that are grayed out on the keypad are not accessible.

Note: Direct access should be used as little as possible when your communication method has monthly usage fees.

1. From the List of icons to the right of the “Speed Communications” screen select the **Direct Access** Icon (Figure 6.8.1).

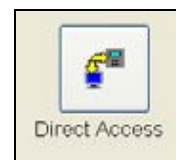


Figure 6.8.1

SEE SECTION 7.0 FOR MORE DETAILS

6.9 GET MANUAL PROGRAMS

Get 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 List of icons to the right of the “Speed Communications” screen select

the **Get Manual Programs** Icon (Figure 6.9.1).

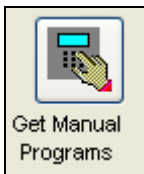


Figure 6.9.1

SEE SECTION 17.0 FOR MORE DETAILS

6.10 SEND ACCESS CONTROL CODES

Send Access Control Codes: The sending of Login Codes to ET2000 controllers is done by either using Speed Communications or by creating a Task and then scheduling that Task to be performed (See Section 8 Task Setup).

1. From the List of icons to the right of the “**Speed Communications**” screen select the **Send Access Control Codes** Icon (Figure 6.10.1).



Figure 6.10.1

SEE SECTION 9.0 FOR MORE DETAILS

6.11 GET LIGHTS

Get Lights: The lights program consists of a fourteen-day rolling schedule with two Start and Stop times per light output. The lights circuit outputs at the controller supply 28 volts to a relay to control various devices such as turning On/Off lights, gates or water features.

1. From the List of icons to the right of the “**Speed Communications**” screen select the **Get Lights** Icon (Figure 6.11.1).



Figure 6.11.1

SEE SECTION 18.0 FOR MORE DETAILS

6.12 CLEAR MAIN LINE BREAK

Clear Mainline Break: A mainline break is when the controller detects a flow higher than the limit set for “during irrigation” or “all other times”. The Clear Mainline Break feature will contact the controller selected, clear the Mainline Break Alert.

CAUTION:

Before clearing a mainline break from the central, verify with someone on site that the mainline has been repaired or the condition that caused the mainline break has been identified and corrective action has been taken. In addition, it is **extremely important** that the mainline has been manually **refilled** and all air removed from the mainline and pressurized **before clearing** the mainline break from the central. **If not**, the in rush of the water could severely damage the mainline and valves in the system.

1. Select the Site / Controller that you want to perform the Speed Communications on from the “**Site / Controller**” window (Figure 6.0.2).
2. From the List of icons to the right of the “**Speed Communications**” screen select the **Clear Main Line Break** Icon (Figure 6.12.1).



Figure 6.12.1

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4).

Note: This command will take place without any confirmation screen. It will show up on your alerts page, and on the controller's alerts.

6.13 MASTER VALVE OVERRIDE

Master Valve Override: The master valve override is only available in the ET2000 500 series controller. It performs a Now Command from the central to open a master valve. The open time is adjustable from 0.10 (six minutes) to 48.00 hours.

1. Select the Site / Controller that you want to perform the Speed Communications on from the "Site / Controller" window (Figure 6.0.2).
2. From the List of icons to the right of the "Speed Communications" screen select the **Master Valve Override** Icon (Figure 6.13.1).



Figure 6.13.1

Note: This will bring up the Master Valve Override window asking: "What operation would you like to perform?" (Figure 6.13.2).



Figure 6.13.2

3. Using the drop down arrows select either **Open** or **Clear** (Master Valve for).

Open: Opens the master valve for the duration of time selected.

Clear: Clear command is used to cancel the master valve override at the controller.

4. Then choose the amount of time using the **UP** and **DOWN** arrows to the right of the number.
5. Click **OK** to transmit the data.

Note: Select **Cancel** if you do not want to enter this choice.

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4).

Note: After the communications task has taken place the "Communications Completed" screen will appear (Figure 6.5.5).

6. Click on the **OK** button.

6.14 CLEAR HOLD OVER

Clear Hold Over: Hold-over time is generated whenever scheduled irrigation crosses a Stop time. Rain also causes Hold Over. There are three choices when clearing hold-over time Clear All Hold Over, Clear by Program or Clear by Station.

1. Select the Site / Controller that you want to perform the Speed Communications on from the "Site / Controller" window (Figure 6.0.2).
2. From the List of icons to the right of the "Speed Communications" screen select the **Clear Hold Over** Icon (Figure 6.14.1).



Figure 6.14.1

Note: This will bring up the Clear Hold Over window asking: "Select Hold Over To Clear" (Figure 6.14.2).



Figure 6.14.2

1. Using the drop down arrows select either Clear All Hold over, Clear Hold Over By Program, Clear Hold Over By Station.

Clear All Hold Over: This will clear **ALL** hold over pertaining to this controller.

Clear Hold Over By Program: Clear Hold Over By Program is used to only clear the hold over for all of the stations assigned to that particular Program.

Clear Hold Over By Station: Will clear the hold over for that station only.

2. Click **OK** to transmit the data.

Note: Select **Cancel** if you do not want to enter this choice.

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4).

Note: After the communications task has taken place the “**Communications Completed**” screen will appear (Figure 6.5.5).

3. Click on the **OK** button.

6.15 SET TIME AND DATE

Set Time And Date: Set time and date synchronizes the controllers’ time and date with the Central computers time and date.

1. Select the Site / Controller that you want to perform the Speed Communications on from the “**Site / Controller**” window (Figure 6.0.2).
2. From the List of icons to the right of the “**Speed Communications**” screen select the **Set Time And Date** Icon (Figure 6.15.1).

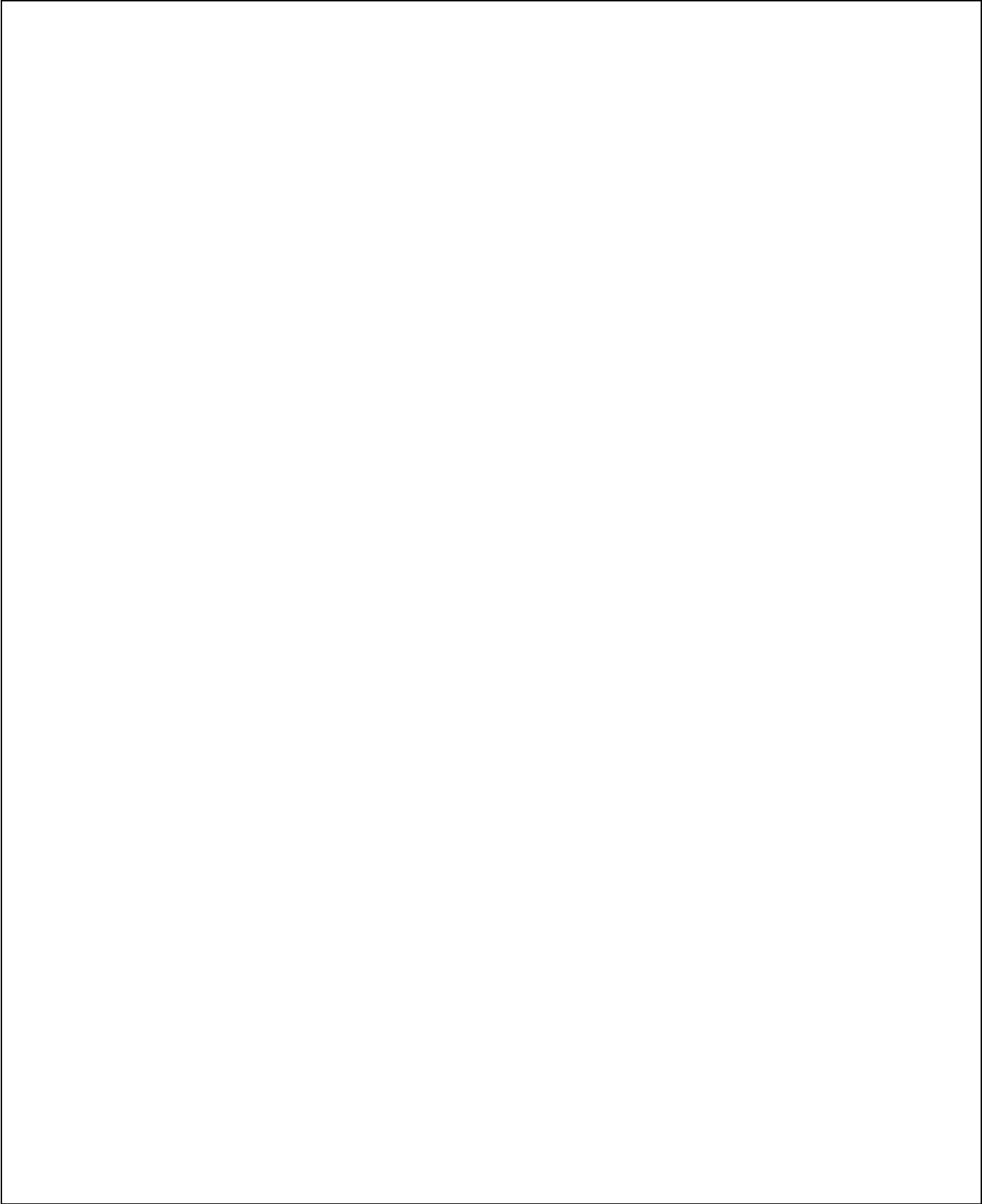


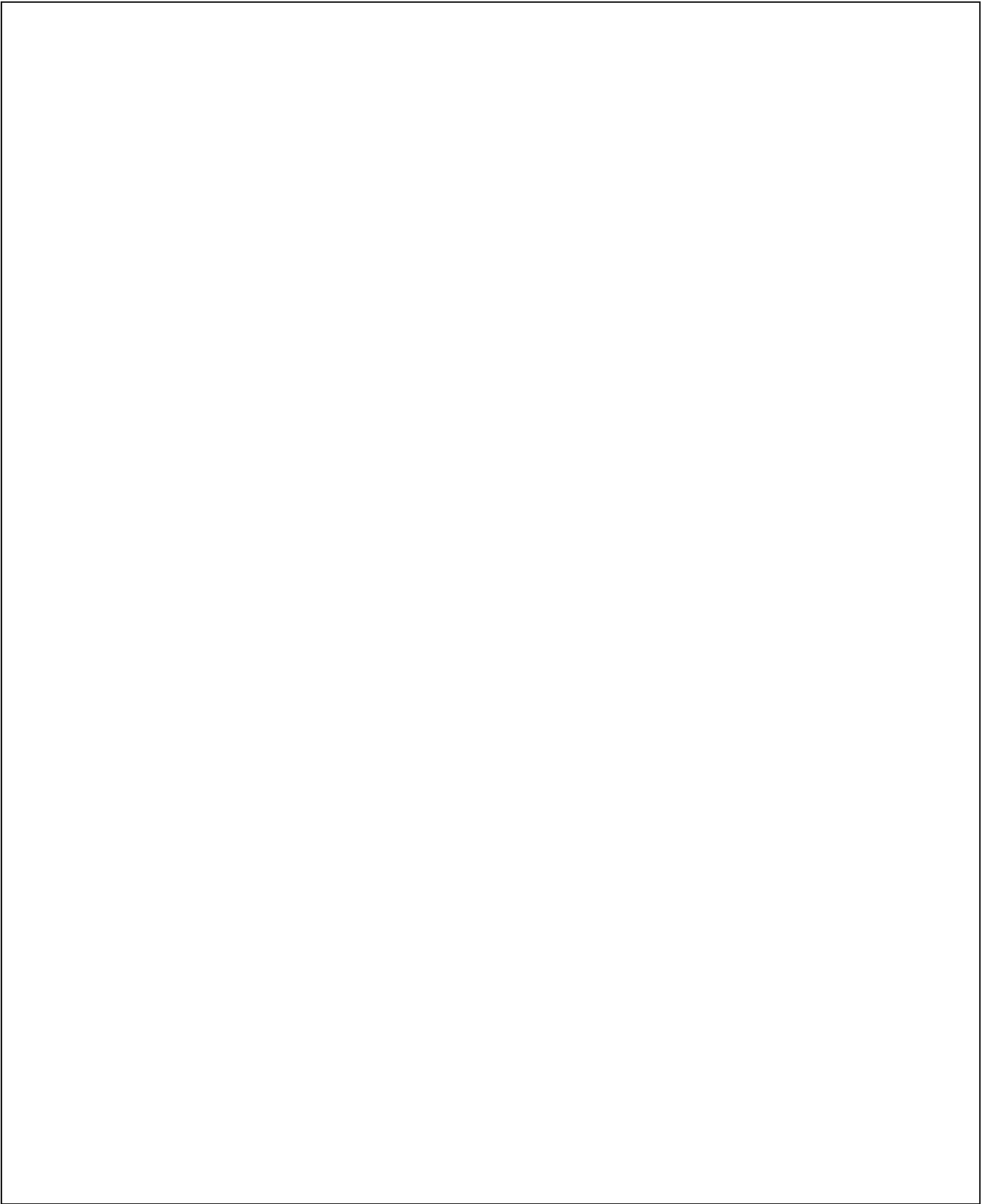
Figure 6.15.1

Note: A communications screen will appear letting you know that you are communicating with the controller of choice (Figure 6.5.4)

Note: After the communications task has taken place the “**Communications Completed**” screen will appear (Figure 6.5.5).

3. Click on the **OK** button.





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