Signature®
CONTROL SYSTEMS, INC.

GALAXY™ Field Controller Quick Start Guide
Firmware Version 5.50

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Safety Symbols

Become familiar with the safety symbols presented in this section. These symbols will alert you to safety hazards and conditions that may result in personal injury, death, or property and equipment damage. The following symbols are used in this document:

WARNING: Failure to observe this warning may result in personal injury or death.

CAUTION: Failure to observe this caution may result in property and equipment damage.

Note: Highlights important information or details.

Idea: Indicates a suggestion that helps you make better use of your system.

Personal Injury Warning

WARNING! **TO PREVENT PERSONAL INJURY - DO NOT STAND DIRECTLY OVER ANY LARGE TURF SPRINKLERS WHEN FILLING SYSTEM OR WHEN ACTIVATING MANUALLY AT THE SPRINKLER.**

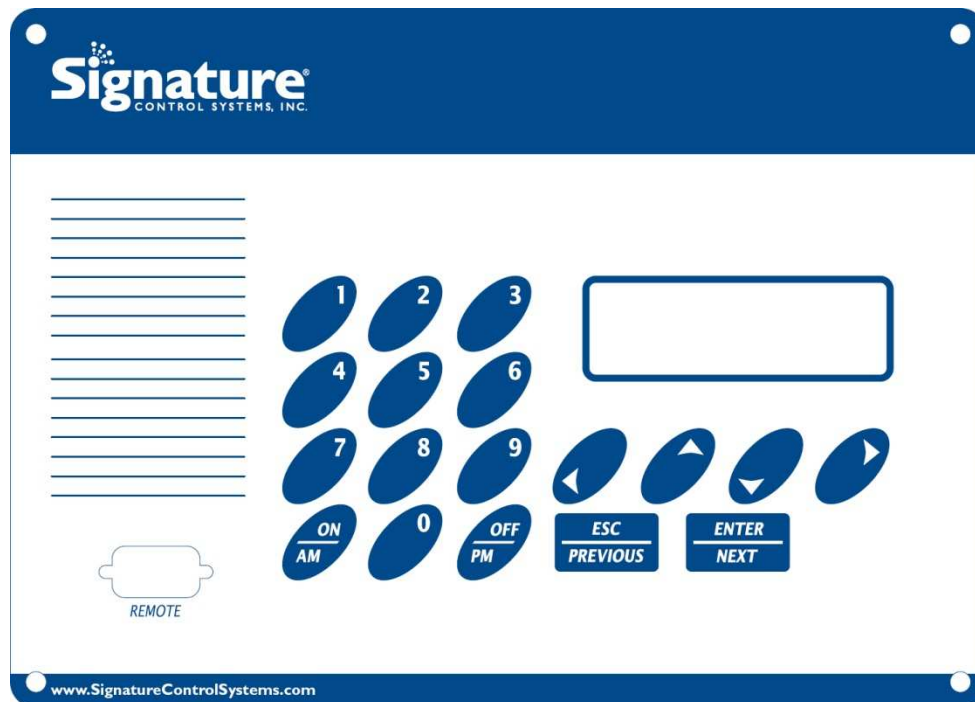# Quick Start Guide - v5.50

Section A | Control Panel Overview

Operating a Field Controller

Section A describes the basic control panel overview and procedures for operation. Detailed Descriptions can be found in the "**GALAXY Field Controller Programming Guide, DOCGOM550.**"

a) Control Panel Description

Keypad Descriptions

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ON/AM — Activates watering days and/or pump stations. Sets the clock to AM when using the 12-hour format, and turns stations on with the smart switch.

OFF/PM — Deactivates watering days and/or pump stations. Sets the clock to PM when using the 12-hour format, and turns stations off with the smart switch.

ESC/PREVIOUS — Exits the current menu or data entry position without saving entries.

ENTER/NEXT — From the Startup screen, this button activates the Main menu for programming the controller. From the Main menu, this button saves the current information in the highlighted menu option.

UP, DOWN, RIGHT and LEFT ARROWS
Moves the cursor in the direction indicated. The right and left arrows are also used to scroll through predefined options when setting up sensors, watering schedules or changing languages.

0 thru 9 — Data entry keypad buttons.

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b) Screen Display

Time   Date

Station ID Address
Alarmed Stations

```
03:54:53  06/02/2008
ID#:001  Stations: 08
*A* 1, 4, 96, P1, P7
```

Number of Stations

Four-line Display

(The display figures are in gray tone for clarity.)

The **Startup Screen** shows the following information:

`03:54:53`   Current Time   /   `12/25/2008`   Current Date.

`ID#:001`   Displays the unique 3-digit number that identifies the Field Controller on the Field Controller network (i.e. address). If the unit is also used as a repeater, **REP** appears in the ID# field.

`*A*`   This icon is only an indication that an alarm occurred in the controller.

`Stations: 08`   Displays the total number of stations configured for the Field Controller. If the unit also controls decoders, then the number of stations and decoders appears. For example, STNS: 08 + 274 would indicate that 8 stations and 274 decoders are configured for the Field Controller.

System Status / Current Activity

Displays the current status and activity of the Field Controller as one of the following:

OFF appears if the Field Controller is off or in the rain shut down mode meaning no automatic programs will run. When the word OFF is not there the controller is ON and will run an automatic program if it is triggered by one of its cycle starts.

```
03:54:53  06/02/2008
REP: 989  Stations:96
OFF:S1
```

REP appears in the ID# field if the unit is used as a repeater.

Message Dialogs

Important message dialogs will appear during normal programming functions. This line means that a message came in from controller 990 on port 2; there is no need to acknowledge anything it is only a message that tells you the controller got a message from another controller or the software. To get rid of the message just hit ESC.

```
03:54:53  06/02/2008
REP: 989  Stations:96

Port 2 MSG from 990
```

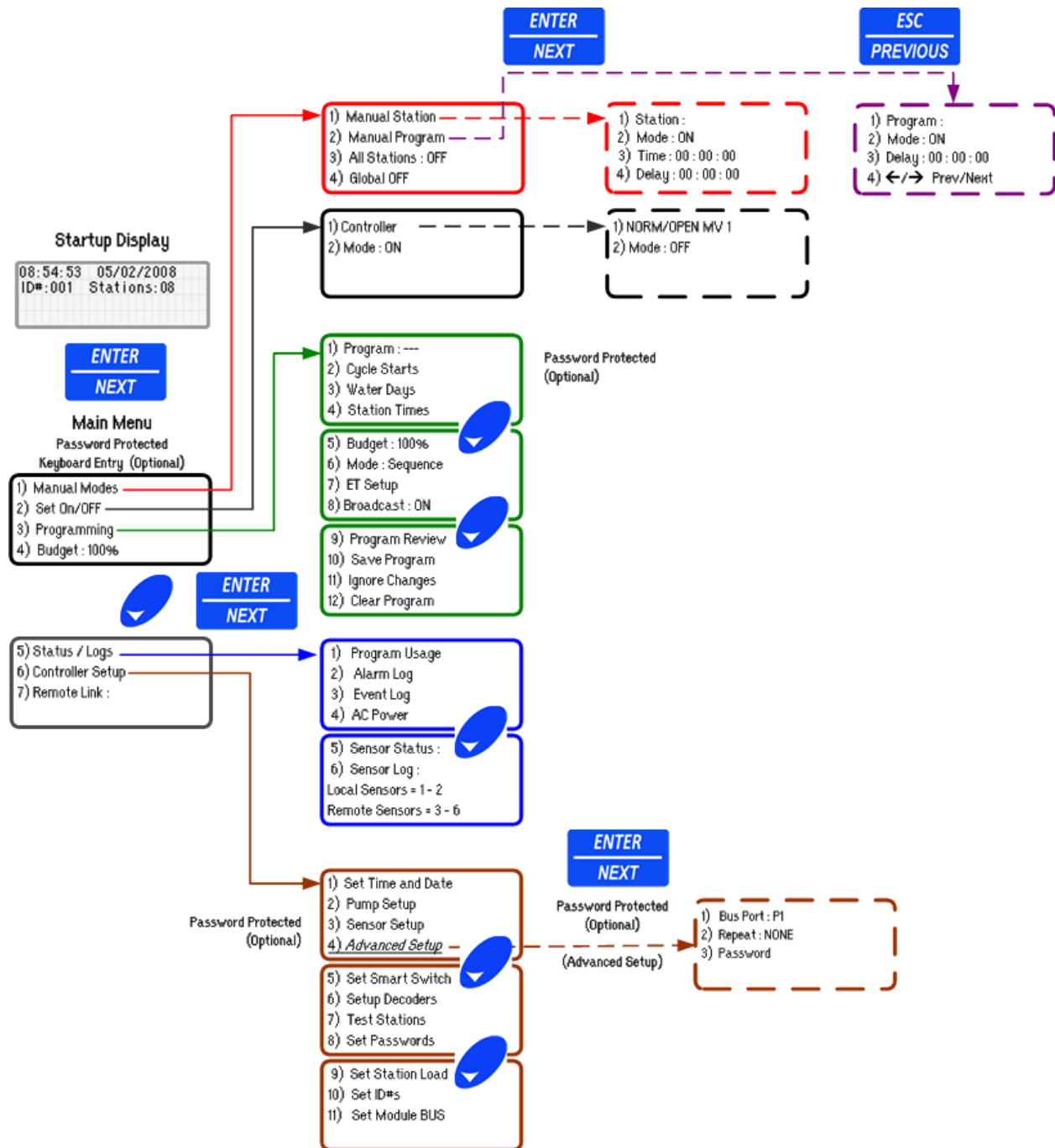# Quick Start Guide - v5.50

c) Galaxy Menu Navigation

Figure 1   Galaxy Field Controller Menu Tree

Section B | Turning Stations ON and OFF

Manually Starting and Stopping of Stations

Section B describes the procedures to start and stop stations manually. Detailed Descriptions can be found in the "**GALAXY Field Controller Programming Guide, DOCGALPG550.**"

There are 2 ways to start or stop stations, either thru using (a) Manual Modes Menu or (b) Smart Switch Activation.

a) Using Manual Modes Menu

Using the Main Menu to Activate Stations

```
→1) Manual Modes
   2) Set ON/OFF
   3) Programming
   4) Budget: 100%
```

```
→1) Manual Station
   2) Manual Program
   3) All Stations OFF
   4) Global OFF
```

The above "Manual Modes" sub-menu options perform these tasks:

- Manually starting or stopping a station.
- Manually starting or stopping a program.
- Stop all active stations on the Field Controller.
- Stop all active stations on the site. In order to use this option, there must be a means of communication between the Field Controllers on the site.

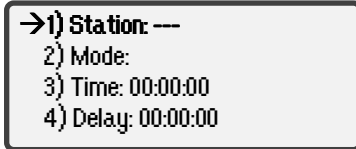There are optional parameters to set specific DELAY durations.
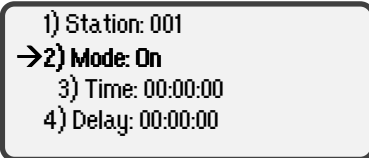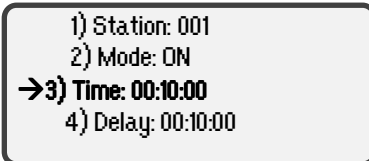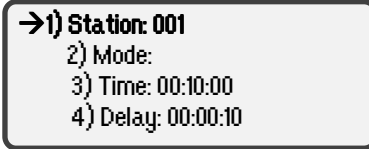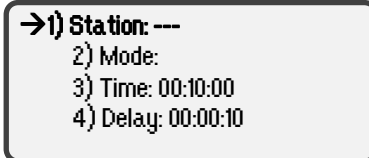
The Delay Time duration, HHMMSS, is an optional parameter.

- If the Delay Time duration is omitted in an ON operation, no DELAY is used and the station starts immediately. If used, it defines the DELAY duration, after expiration of this duration the Station will start.

The Run Time duration may be used by itself without specifying the Delay Time duration, but if using the Delay Time duration the Run Time duration must be specified.

Neither of the parameters is required for OFF operations.

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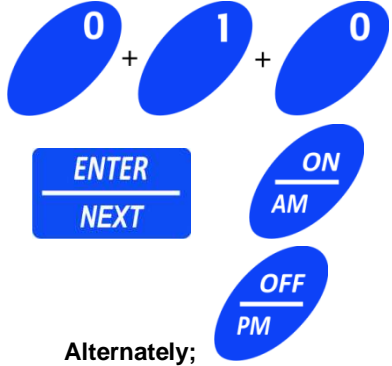| Procedure	Keypad	Display
1. From the **Startup** screen press Enter. Then select option **1) Manual Modes.** Then select option **1) Manual Station**. 2. Press **ENTER/NEXT** button again. 3. At menu option **1) Station**, press keys to enter a three-digit number to identify the station number; for example, press keys **001** for Station 1.	**ENTER NEXT** **Press keys:** **0 + 0 + 1**	→1) Station: --- 2) Mode: 3) Time: 00:00:00 4) Delay: 00:00:00
4. Press the **ON/AM** button or press left or right arrows until **ON** is the **Mode.**	**ON AM** ◄ or ►	1) Station: 001 →2) Mode: On 3) Time: 00:00:00 4) Delay: 00:00:00
5. Press down arrow to option **3) Time**, enter the **Water Time** for the station in hours: minutes: second's format. For example, to enter a Water Time of 10 minutes, press right arrow twice, press key 1.	**Arrow twice and Press key: 1**	1) Station: 001 2) Mode: ON →3) Time: 00:10:00 4) Delay: 00:10:00
6. Press down arrow to option **4) Delay**, enter the **Delay Time** for the station in hours: minutes: second's format. For example, to enter a delay time of 10 seconds, you would press keys 000010.	**Press keys: 000010**	1) Station: 001 2) Mode: ON 3) Time: 00:10:00 →4) Delay: 00:00:10
7. To start the station, press the **ENTER/NEXT** button. The station starts or if you entered a delay time, the delay countdown begins.	**ENTER NEXT**	→1) Station: 001 2) Mode: 3) Time: 00:10:00 4) Delay: 00:00:10
8. To add another station with the same Water Time and Delay Time, enter a station number and press the **ON/AM** button; and then press the **ENTER/NEXT** button to activate the station(s).	**ON AM** **ENTER NEXT**	→1) Station: --- 2) Mode: 3) Time: 00:10:00 4) Delay: 00:00:10

ⓘ A Delay time is not required to activate a station.

b) Using Smart Switch Activation

Using the Smart Switch to Activate Stations

The Smart Switch is a short cut to turn stations on manually for a preset time directly from the main screen without having to go to the Manual Operations menu.

Procedure to Manually Start/Stop a Station Using Smart Switch

Procedure	Keypad
	Press keys:
1. On the **Startup** screen, enter the three-digit station number for the station you want to operate.	**0** + **1** + **0**
2. Press the **ENTER/NEXT** button.	
3. Press the **ON/AM** button. The station that was entered will manually operate the amount of time specified in the Set Smart Switch feature.	**ENTER NEXT** **ON AM**
4. To turn the station off before the time expires repeat the steps above except press the **OFF/PM** button instead of the **ON/AM** button.	**OFF PM**
	Alternately;

Set Default Time for the Smart Switch

The default time for the Smart Switch is set at ten minutes.

Procedure	Keypad	Display
5. Press the down arrow button to option **6) Controller Setup**. 6. Press the **ENTER/NEXT** button, and then press the down arrow button to option **5) Set Smart Switch**.	▼ **ENTER NEXT**	→5) Set Smart Switch 6) Setup Decoders 7) Test Stations 8) Set Passwords
7. Press the **ENTER/NEXT** button and enter the amount of time you want the station running in hours: minutes: and seconds format.	**ENTER NEXT**	Set Smart Switch Run Time: 00 hr 19 min 00 sec
8. Press the **ENTER/NEXT** button to return to the menu.	**ENTER NEXT**	→5) Set Smart Switch 6) Setup Decoders 7) Test Stations 8) Set Passwords

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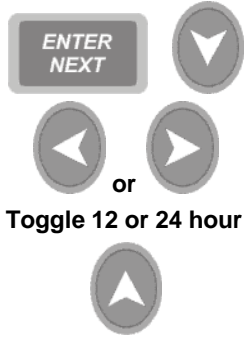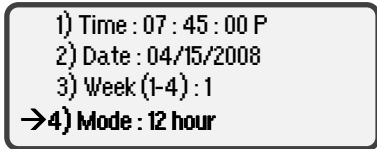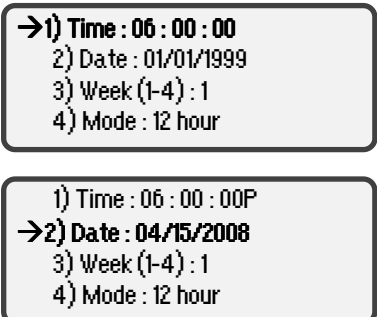
Section C | Controller Setup

Setup a Field Controller

Chapter C describes the basics of how to setup the field controller. Detailed Descriptions can be found in the "**GALAXY Field Controller Programming Guide, DOCGALPG550.**"

a) Set Date/Time

Setup Current Time and Date

First set the Mode for time to a 12-hour or 24-hour clock then continue through to set time, date, week preferences.

Procedure	Keypad	Display
1. Press down arrow to menu option **6) Controller Setup**, and press the **ENTER/NEXT** button. 2. At menu option **1) Set Date / Time** press the **ENTER/NEXT** button. 3. Press down arrow to option **4) Mode**; use right or left arrow buttons to toggle between a 12-hour and a 24-hour time mode. 4. After you select the Mode, press the up arrow to menu option **1) Time** to set time, date and week preferences.	ENTER NEXT **or** **Toggle 12 or 24 hour**	1) Time : 07 : 45 : 00 P 2) Date : 04/15/2008 3) Week (1-4) : 1 →4) Mode : 12 hour
5. At menu option **1) Time**, enter the **current time of day**; set in hours: minutes: seconds: format. Press keys: 060000. 6. Press down arrow to option **2) Date** enter the **current date** set mm/dd/yyyy format. Enter date, press keys: 04152008.	**Enter Time of Day** **Press keys: 060000** **Enter Date** **Press keys: 04152008**	→1) Time : 06 : 00 : 00 2) Date : 01/01/1999 3) Week (1-4) : 1 4) Mode : 12 hour 1) Time : 06 : 00 : 00P →2) Date : 04/15/2008 3) Week (1-4) : 1 4) Mode : 12 hour

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⚠️ **CAUTION!** Make sure to verify the AM/PM status before leaving option 1) Time. If it is 7:45 PM in the afternoon (and this is the first time the controller is setup), and then settings are changed from a 12 to a24 hour mode, the controller will be set at 7:45 AM not PM. You would be required to set the time to 19:45:00.

3) Week option applies only to programs that are using the Weekday schedule option.

7. Press down arrow to **3) Week** option; use the keypad to enter the current week, based on the 4-week period used by the watering programs.

Enter 1 = week 1 of 4

This only applies to programs that are using the WEEK day schedule option.

```
1) Time : 07 : 45 : 00 P
2) Date : 04/15/2008
→3) Week (1-4) : 1
4) Mode : 12 hour
```

b) Select the Display Language

Your controller is equipped with two languages at a time; the default is English/Spanish. Also available is English/German, English/French, English/Dutch, English/Italian and others.

Procedure	Keypad	Display
1. Press any arrow button at the Startup screen. 2. Press the right arrow button to toggle the Language field between English and Espanol. 3. After making a language selection, press the **ENTER/NEXT** button. The Main screen (and all menus) will appear in the selected language.	▶ **ENTER** **NEXT**	SCS Inc. V5.50.00G2 AUR SITE: 00000000 1) Lang : English 2) LOCK : --------

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Notes

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