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Manual toro greenkeeper español

Manual instrucciones toro greenkeeper español.

Manual instrucciones programador riego toro greenkeeper en español. Toro greenkeeper 212 manual español.

User's Guide Automatic Sprinkler System ControllerGreenKeeper 212 Features• Easily Expandable Up To 12 StationsWith 2-Station Plug-In Modules• 3 Watering Programs With ON- Calendar, Interval and Odd/ Even DaysMANUALNEXTSTARTPROGRAMS: 1 Min. to 4 Hrs. Zone Run TimeA B COFF- 4 Start Times Per Program• Battery Back-Up• Automatic Pump Start• Seasonal Run Time Adjust• Rain Delay• Rain Sensor ReadyR• Remote Control Ready• Snap-In Wire Connectors Resumen del contenido incluido en la página 2 Resumen del contenido incluido en la página 3 Table of Contents Introduction and Set Up Installation GreenKeeper 212 Components.....2-5 Mounting The Controller 22 Sprinkler System Basics.....6 Connecting The Valves.....23 Watering Program Basics.....7 Connecting A Pump Start Relay.....24 Watering Program Details 8-9 Connecting The Transfo Resumen del contenido incluido en la página 4 GreenKeeper 212 Introduction and Set Up Controller Components 1 2 3 BATTERY 2 Resumen del contenido incluido en la página 5 GreenKeeper 212 Components 2 - Control Buttons The following are brief descriptions of the controller com- ponents and display elements. Each of these items will +/ON button - Increases the time display, scrolls for- be explained in further detail within the appropriate pro- ward through the program information and selects gramming, operating and installation sections of this watering days. guide. -/OFF button - Decreases the time display, scrolls backward through the program information and 1 Resumen del contenido incluido en la página 6 11 - Sensor Connection Terminals - Snap-in connec- Controller Components tors for connection of an (optional) Toro Rain Switch. 3 - Control Dial Positions (continued) 12 - Common Connection Terminal - Snap-in wire SEASON ADJUST - Enables the run time of all connector for the valve common wire. zones in a program to be simultaneously increased 13 - Pump/Master Valve Connection Terminal - or decreased in 10% increments. Snap-in wire connector for a pump start relay or OFF - Shuts off and preve Resumen del contenido incluido en la página 7 Controller Components 18 3 4 5 6 7 BATTERY 8 9 10 11 12 13 14 5 15 16 17 Resumen del contenido incluido en la página 8 Sprinkler System Basics The three main components of every automatic sprinkler system are the controller, station control valves and sprinklers. Valve 1 Controller The controller is the brain of the system, telling the control valves when and how long to supply water to the sprin- ON klers. The sprinklers direct and control the water applied to MANUAL START NEXT PROGRAMS A B C OFF the lawn and plants. Valve 2 R Each valve controls a specific group of sprinklers called a watering station. The st Resumen del contenido incluido en la página 9 Watering Program Basics Watering Program Diagram A watering program requires three basic instructions to operate automatically: Program Starts - 5:00 AM • What days to water -called watering days 12 • When to water - called a program start time 3 9 Station 1 6 • How long to water - called station run time The following example illustrates how a typical watering program could be set for the sprinkler system shown on the previous page. 12 9 3 AM. Lawn Example: The program start time is set for 5: Resumen del contenido incluido en la página 10 you can choose which day of the week will be the first day Watering Program Details of the Interval. The number of days in the Interval deter- mines the available start days. For example, if you have This section covers in detail each of the three parts of a selected a 3-day Interval and today is Sunday, you may watering program - watering days, program start times choose to start the Interval today, Monday or Tuesday, and station run times. This illustration shows how Selecting Watering Days Resumen del contenido incluido en la página 11 Selecting Program Start Times Setting The Station Run Time A program start time is the time of day you select to A station run time is the length of time the station (con- begin an automatic program watering cycle. trolled by the valve) will water during the program water- It is important to remember that a program only ing cycle. The run time for each station can be set from requires one start time to operate automatically. Off (no run time) to 4 hours, in one-minute increments. When a program Resumen del contenido incluido en la página 12 Filling Out The Watering Schedule Form Planning Your Watering Schedule When filling out this form, use a pencil so changes can be It is always helpful to plan your watering schedule on easily made. Carefully remove the page from the booklet paper before beginning the programming steps. You will to use as a guide during programming. After installing the have a record of your watering schedule and station loca- controller, fold the form in half and store it in the pocket tions which can be kept wi Resumen del contenido incluido en la página 13 (Example) 11 Resumen del contenido incluido en la página 14 Watering Schedule Form PROGRAM A PROGRAM B PROGRAM C SU MO TU WE TH FR SA SU MO TU WE TH FR SA SU MO TU WE TH FR SA CALENDAR WATERING 1 23 4 5 6 7 1 2 3 4 5 6 7 1 23 4 5 6 7 DAY SCHEDULE INTERVAL ODD/EVEN ODD EVEN ODD EVEN ODD EVEN ZONE LOCATION ZONE RUN TIME ZONE RUN TIME ZONE RUN TIME 1 2 3 4 5 6 7 8 9 10 11 12 1 2 PROGRAM START TIMES 3 4 12 Resumen del contenido incluido en la página 15 Programming Before Installation The GreenKeeper 212 utilizes a 9-volt battery to retain its 2. The display will begin flashing 12:00 AM. Press the +/ON button to stop the display from flashing. The watering program information in the event of a main power colon (:) will continuously flash while displaying the interruption. This battery backup feature also enables time and during watering operation. The Power Off your controller to be fully programmed for operation right symbol will be displayed Resumen del contenido incluido en la página 16 Selecting Optional Features About The GreenKeeper 212 Memory 24-Hour Clock Mode The GreenKeeper 212 has a permanent watering sched- ule within its memory to assist you in two ways. First, it The GreenKeeper 212 is Figure 3 will restore watering operation in case your watering pro- set to display time in the gram is lost due to a power interruption lasting longer 12-hour clock mode. If you than the battery backup reserve. This prevents your prefer to use a 24-hour landscape from going unwatered Resumen del contenido incluido en la página 17 Resetting The Controller Memory The GreenKeeper 212 program memory can be reset to Figure 4 2 the permanent program values or cleared completely at any time without removing power. 3 Resetting the permanent program erases all user input and replaces it with the permanent program values. Clearing the program memory sets all program values to 1 Off (i.e., no active days, program start times or station 2 run times). You may find that this simplifies programming the controller if your watering req Resumen del contenido incluido en la página 18 Example 1 Programming The Controller Setting The Current Time and Day or Date SU Note: To select the 24-hour clock mode, see page 14. Turn the control dial to the CURRENT TIME/DAY position (the hour digits will begin flashing). To adjust the display, press the +/ON button to scroll the digits forward or the -/OFF button to scroll the digits backward. Example 2 Note: The display will begin to change rapidly if either 7 8 7 button is held down for more than two seconds. Press the NEXT button Resumen del contenido incluido en la página 19 Setting The Watering Day Schedule 3 2 For each program, you can select Calendar, Interval PGM A Odd, Even or Off. To set a Calendar schedule, continue here. To set an Interval schedule see page 18. To set an 7 SU MO TU WE TH FR SA Odd or Even schedule see page 19. To turn Off a pro- 3 5 gram, see page 19. 4 5 1 4 Setting A Calendar Schedule Turn the control dial to the WATERING DAYS 2 5 3 position. Check the PROGRAMS switch setting. If necessary, 6. To set a Calendar schedule for Resumen del contenido incluido en la página 20 Setting An Interval Schedule Turn the control dial to the WATERING DAYS 3 2 position. PGM A Check the PROGRAMS switch setting. If necessary, 3 MO 9 reposition the switch to select the desired program. 6 7 3 5 7 4 5 The current watering schedule will be displayed. If Int (Interval) is not displayed, press the +/ON or 1 -/OFF button as needed to select Int. 4 6 Press the NEXT button. The current Interval number (1-7) will begin flashing. The day of the week on 2 3 5 7 which the Interval w