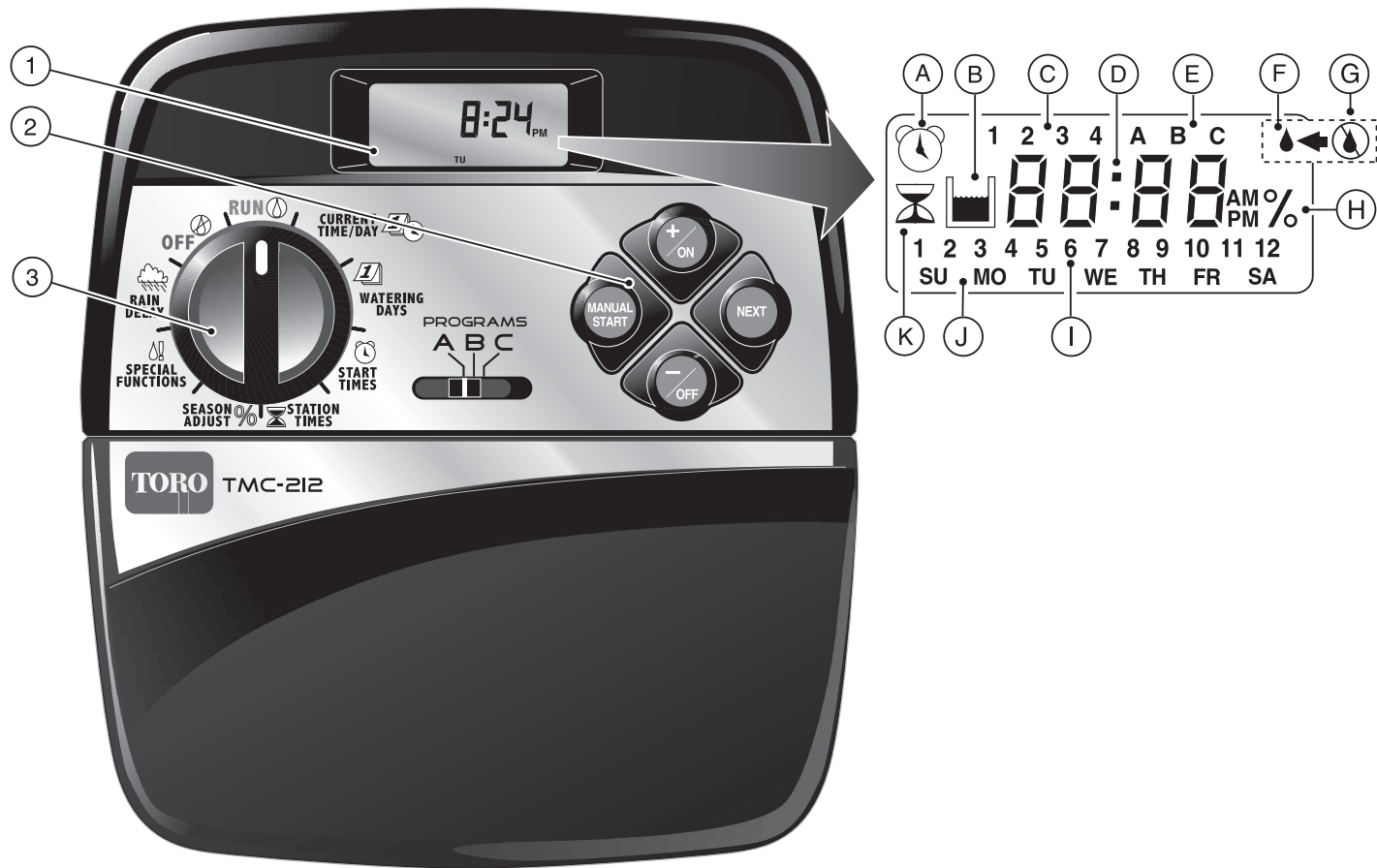




Controller Components

Controller Components





Controller Components

The following are brief descriptions of the controller components and display elements. Each of these items will be explained in further detail within the appropriate programming, operating and installation sections of this guide.

1 - LCD Display

- A** - “Start Time” symbol is displayed when setting the program start times.
- B** - “Well Recovery” symbol is displayed when well recovery time delay is in use.
- C** - Program start time identification numbers 1–4.
- D** - Main display of various time values and prompts.
- E** - Program A, B and C identifiers.
- F** - “Watering On” symbol is displayed when a watering station is running. Symbol blinks when watering is paused.
- G** - “Watering Off” symbol is displayed when Rain Delay feature is active.
- H** - “Percent” symbol is displayed when the Season Adjust feature is in use.
- I** - Watering Station identification numbers.
- J** - Day of the week identifiers.
- K** - “Run Time” symbol is displayed when setting the watering station run times.

2 - Control Buttons

+ / ON button – Increases the time display, scrolls forward through the program information and selects watering days.


- / OFF button – Decreases the time display, scrolls backward through the program information and removes watering days.


NEXT button – Advances to the next portion of program information. Resumes watering if paused. Advances through stations manually when watering.


MANUAL START button – Selects and starts manual watering operations.


3 - Control Dial – Selects all controller programming and operation controls (except Manual Start).


Control Dial Positions

RUN  – The normal dial position for all automatic and manual operations.

CURRENT TIME/DAY  – Enables the clock time and day to be set.

WATERING DAYS  – Enables the watering day schedules to be set and reviewed.

START TIMES  – Enables the program start times to be set and reviewed.

STATION TIMES  – Enables the station run time to be set and reviewed.


(CONTINUED)







Controller Components

SEASON ADJUST % – Enables the station time of all stations in a program to be simultaneously increased or decreased in 10% increments.

SPECIAL FUNCTIONS  – Provides optional control and timing features for pump operation and well recovery delay feature.

RAIN DELAY  – Enables all watering operations to be delayed from 1 to 7 days.

OFF  – Shuts off and prevents all automatic and manual watering activity.

- 4 - Program Select Switch** – Three-position slide switch used to select watering program A, B or C during the programming procedures and manual operation.
- 5 - Rain Sensor Circuit Control Switch** – Enables the Rain Sensor circuit to be bypassed as necessary.
- 6 - Rain Sensor Configuration Switch** – Configures the controller for operation with a Normally-open or a Normally-closed rain sensor.
- 7 - Rain Sensor Connection Terminals** – Snap-in wire connectors for direct connection of a Rain Sensor.
- 8 - Valve Common Connection Terminal** – Snap-in wire connector for the valve common wire.
- 9 - Pump/Master Valve Connection Terminal** – Snap-in wire connector for connection of a pump start relay or master valve 24 VAC power wire.
- 10 - Transformer Connection Terminals** – Snap-in connectors for transformer wires.
- 11 - Two-station Expansion Module (Standard and High-surge Protection Models)** – Each expansion module provides a snap-in wire connection for two stations. Up to six modules can be installed to expand the TMC-212 control from 2 to 12 stations. Standard-surge expansion module TSM-02 provides 1.3 Kv surge protection per station and is identified by a single lightning bolt symbol and black color. High-surge protection module TSM-02-H provides 6.0 Kv surge protection per station and is identified by two lightning bolts, beige color and extended length. While both types of expansion modules are interchangeable with all TMC-212 models, the TSM-02-H module can only provide 6.0 Kv surge protection when installed in specially-equipped controller models TMC-212-ODH and TMC-212-ODH-50H.
- 12 - Remote Control Receiver Jack** – Modular jack provided for the connection of the optional Toro EZ-Remote™ remote control receiver cable. (Installation and operating instructions are provided with the EZ-Remote control system.)
- 13 - External Transformer** – A Plug-in transformer supplies 24 VAC power to the indoor model controller.
- 14 - Internal Transformer** – A built-in transformer supplies 24 VAC power to the outdoor model controller.
- 15 - Input Power Terminal Block** – Connection terminals for AC power wires.





Controller Components

