

## Step-by-Step Timer Programming for Motorized Ball Valves

### Overview of Panel Controls and LED Indicators

1. TIMER: for Programs review & setting programs
2. MANUAL: To select “ON, AUTO mode or OFF”
3. CLOCK: To adjust current DAY and TIME
4. DAY: To adjust day of week
5. HOUR: to adjust Hour
6. MIN: To adjust minute
7. Reset button to reset Timers setting
8. LED: To indicate ON/OFF status



### Adjusting the Clock

To set the current **day and time**:

1. **Press and hold the CLOCK button.**

2. While holding the CLOCK button:

Press the **DAY** button to set the correct day of the week.

Press the **HOUR** button to set the current hour.

Press the **MIN** button to set the current minute.

 *Release the CLOCK button after setting the time.*

### Flexible Daily Program Combinations

The timer offers **15 preset combinations** of days for scheduling, providing users with great flexibility and convenience in selecting the desired days of the week.

Available combinations:

1. MO TU WE TH FR SA SU
2. MO TU WE TH FR SA
3. MO TU WE TH FR
4. SA SU
5. MO TU WE
6. TH FR SA
7. MO WE FR
8. TU TH SA
9. MO
10. TU
11. WE
12. TH
13. FR
14. SA
15. SU

## Starting Timer Programming

Follow the steps below to program your desired ON/OFF time schedules:

1. **Press the TIMER button.**
  - The LCD screen will display 1 ON - : - -, indicating Program 1 ON time.
2. **Press the DAY button** to select one of the 15 available daily combinations that suit your application.
  - Each press of the DAY button cycles through the 15 combinations on the LCD screen.
3. **Press the HOUR and MIN buttons** to set the desired **hour and minute** for the 1 ON time.
4. Once the ON time is set, **press the TIMER button again.**
  - The screen will now display 1 OFF - : - -, indicating the OFF time for Program 1.
5. **Press the DAY button** again to choose the same day combination used in step 2. ⚠ *Ensure the same day combination is selected for both ON and OFF times of each program.*
6. **Set the OFF time** using the **HOUR and MIN buttons** as done in step 3.
7. After setting 1 ON and 1 OFF, **press the TIMER button** again.
  - The screen will now display 2 ON - : - -, allowing you to program the next event if needed.
8. **Repeat steps 2 to 6** to continue setting additional ON/OFF schedules (up to the maximum allowed programs).
9. When all desired programs are set, **press the CLOCK button** to exit programming mode and activate the timer.

## Reviewing Timer Programs

To review the programmed schedules, **press the TIMER button repeatedly.**

The LCD screen will cycle through each of the **6 or 8 ON/OFF time settings**, displaying them one by one.

## Using the Override Functions

This timer includes **two override functions** to enhance flexibility in real-world applications.

- ◆ *Override functions only work when the timer is running in **AUTO mode**.*

### Temporary Override

Use this feature to temporarily change the output status without deleting or modifying programmed schedules.

#### Condition 1: When Timer Output is ON

- Press the **MANUAL** button to change the mode from **AUTO** to **OFF**.
  - The output will immediately switch OFF, and the active program is temporarily overridden.
- Press the **MANUAL** button again to return to **AUTO**.
  - The output remains OFF until the next programmed ON time is reached.

#### Condition 2: When Timer Output is OFF

- Press the **MANUAL** button to change the mode from **AUTO** to **ON**.
  - The output will immediately switch ON, overriding the current program.
- Press the **MANUAL** button again to return to **AUTO**.
  - The output stays ON until the next programmed OFF time is reached.

🕒 *In both cases, the timer will automatically resume normal operation at the next scheduled ON/OFF event.*

## Scan for Instructions & Video

Access detailed user guides and step-by-step videos by scanning the QR code with your phone.

