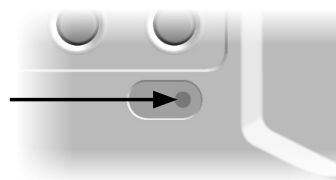# ESP LX-IVM Controller *Quick Reference Guide*

AUTO — The controller operates automatically when the dial is set to AUTO.

OFF — The controller suspends all irrigation when the dial is set to OFF.

ALARM Light illuminates if conditions affect irrigation.

See ESP LX-IVM User Manual for more details.

Programming Keys

Program Select Button

Go Back — Back

Program Select

Information

Change Languages

Auto > Alarm

Auto

Fri 9:15 AM
2 February 2018

Alarm

Review Alarms

No Water Days
No Run Times
No Start Times
No PGM will AUTO Run

More   Next

Alarms are Displayed

Date /Time

Set Date and Time
7:00 AM
Wednesday
9 Feb 2018
← → − + 12/24

Set Time

Set Date and Time
7:00 AM
Wednesday
9 Feb 2018
← → − + 12/24

Set Date

Run Times

Set Run Times
PGM 1
Station   HH:MM
01   00:00
− + − + Copy

Choose Station

Set Run Times
PGM 1
Station   HH:MM
01   **00:10**
− + − + **Copy**

Set Run Time

PGM 1
Copy run time HH:MM
                00:10
To all stations between
02   −   06
◆▶ − + X ✓

Copy Run Time

Water Days

PGM 1   Mon On
By Day of Week Tue **Off**
               Wed On
               Thu Off
               Fri On
Mode ↑ ↓ Off On

Select Water Days

PGM 1   Mon Yes
Cyclic Days   Tue No
Water every **03** days Wed Yes
Start 31 Oct 2017 Thu No
   Allow Watering > Fri Yes
Mode ↑ ↓ − +

Cyclic Days

PGM 1   Mon **No**
Even days   Tue Yes
               Wed No
               Thu Yes
   Allow Watering > Fri No
Mode ↑ ↓ No Yes

Even Days

PGM 1   Mon **Yes**
Odd days   Tue No
               Wed Yes
               Thu No
   Allow Watering > Fri Yes
Mode ↑ ↓ No Yes

Odd Days

PGM 1   Mon **Yes**
Odd days   Tue No
Not 31st   Wed Yes
               Thu No
   Allow Watering > Fri Yes
Mode ↑ ↓ No Yes

Odd Days Not 31st

Start Times

Set Start Times
PGM 1

1st   OFF

← → − +

Choose from 8 Available Start Times

Set Start Times
PGM 1

1st   **12:15**

← → − +

Set 1st Start Time

Manual Watering by Station

Manual Watering
Start Station
Start Program
MV Water Window
Test all Stations
↑ ↓   Next

Start Station

Run Time - Station **001**
                HH:MM
Custom   00:00
Program 1   07:00
Program 6   16:00
↑ ↓ − +

Select Station

Run Time - Station 001
                HH:MM
Custom   **03:00**
Program 1   07:00
Program 6   16:00
↑ ↓ − +

Set Run Time

Manual Watering by Program

Manual Watering
Start Station
Start Program
MV Water Window
Test all Stations
↑ ↓   Next

Start Program

PGM 1
Manual Watering
Start Program
PGM 1

− + Run

Select Program

Weather Sensors

Weather Sensors
Sensor 1: **ON**
Sensor 2: OFF
Sensor 3: _ _ _
Sensor 4: OFF
↑ ↓ Off On **All Off**

Set Weather Sensors

Weather Sensors
Sensor 1: ON
Sensor 2: OFF
Sensor 3: _ _ _
Sensor 4: OFF
↑ ↓ Off On **All Off**

Set All Off

Diagnostics - List Not Responding

Diagnostics
Test All Stations
Diagnostics
Confirm Programming
↑ ↓   Next

Diagnostics

Diagnostics
List Not Responding
Ping Valve/Sensor
Test Shorted Paths
Controller Output
↑ ↓   Next

Choose List Not Responding

List Not Responding at
27Feb2018 12:15 AM
Type   #   Path
STA   003   3
WS   01   ---
↑ ↓ Rfrsh

View List

Diagnostics - Ping Valve/Sensor

Diagnostics
Test All Stations
Diagnostics
Confirm Programming
↑ ↓   Next

Diagnostics

Diagnostics
List Not Responding
Ping Valve/Sensor
Test Shorted Paths
Controller Output
↑ ↓   Next

Choose Ping Valve/Sensor

Ping Valve/Sensor
Station   001
Address: 12345
Voltage: 33.1V
Path: 1
◆▶ − + Ping

View Status

Diagnostics - Test Shorted Paths

Diagnostics
Test All Stations
Diagnostics
Confirm Programming
↑ ↓   Next

Diagnostics

Diagnostics
List Not Responding
Ping Valve/Sensor
Test Shorted Paths
Controller Output
↑ ↓   Next

Choose Test Shorted Paths

Test Faulted Paths
Path 1: **OK**
Path 2: FAULT
Path 3: FAULT
Path 4: OK
↑ ↓   Next

Choose Path to Test

Hold Yes to energize Path 1 for testing in the field.

Note: Irrigation will be disabled.

Yes

Start Test

Fault Finding Short

Path 1 energized for testing in the field

Done

Test In Field

Diagnostics - Controller Output

Diagnostics
Test All Stations
Diagnostics
Confirm Programming
↑ ↓   Next

Diagnostics

Diagnostics
List Not Responding
Ping Valve/Sensor
Test Shorted Paths
Controller Output
↑ ↓   Next

Choose Controller Output

Controller Output
Current: 34 mA
Expected Current Range
1m A to 400 mA
Voltage: 34V
Done

View Status