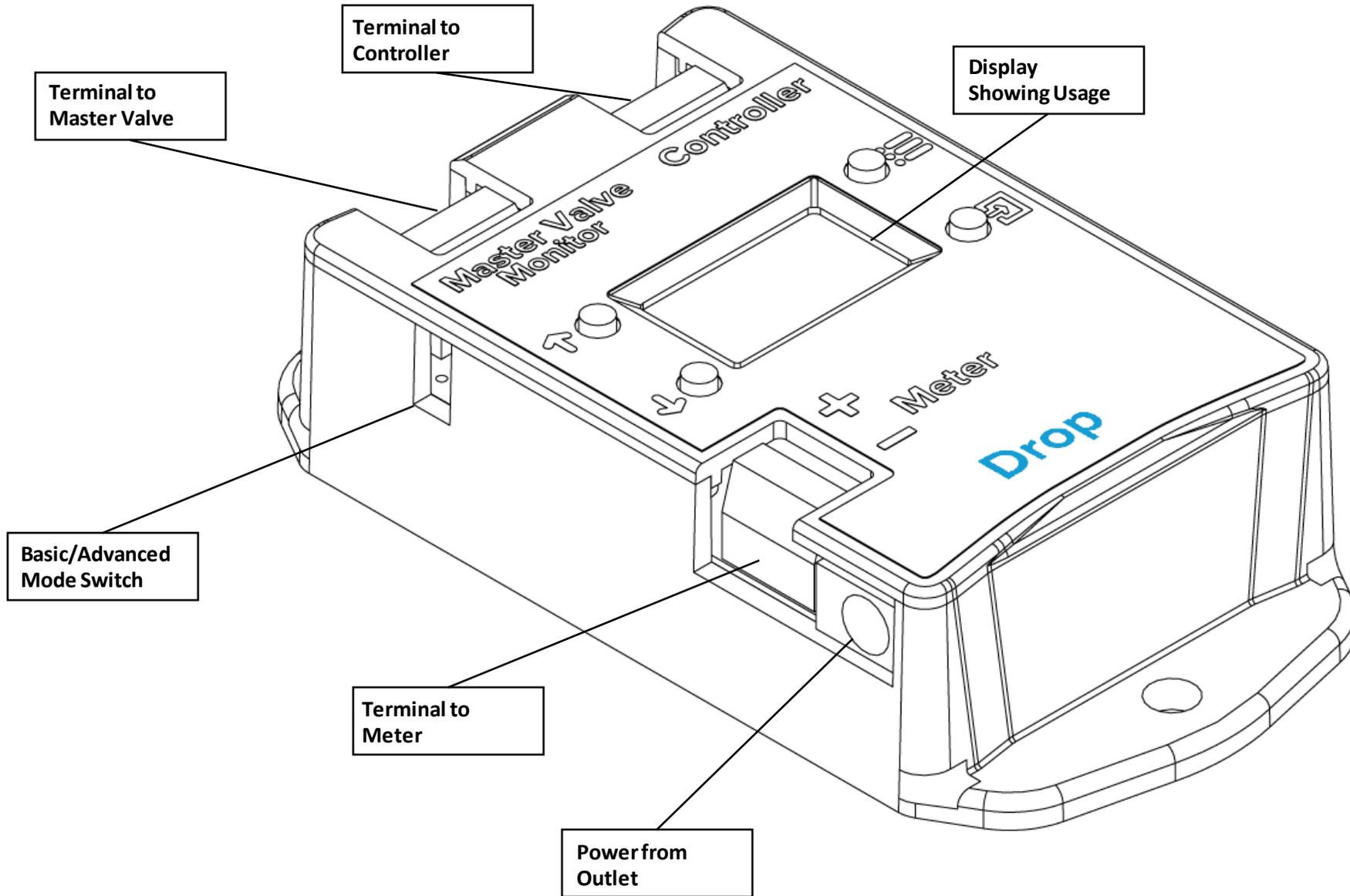


Product Owner's Manual



Universal Meter Interface

By
EveryDropMeters

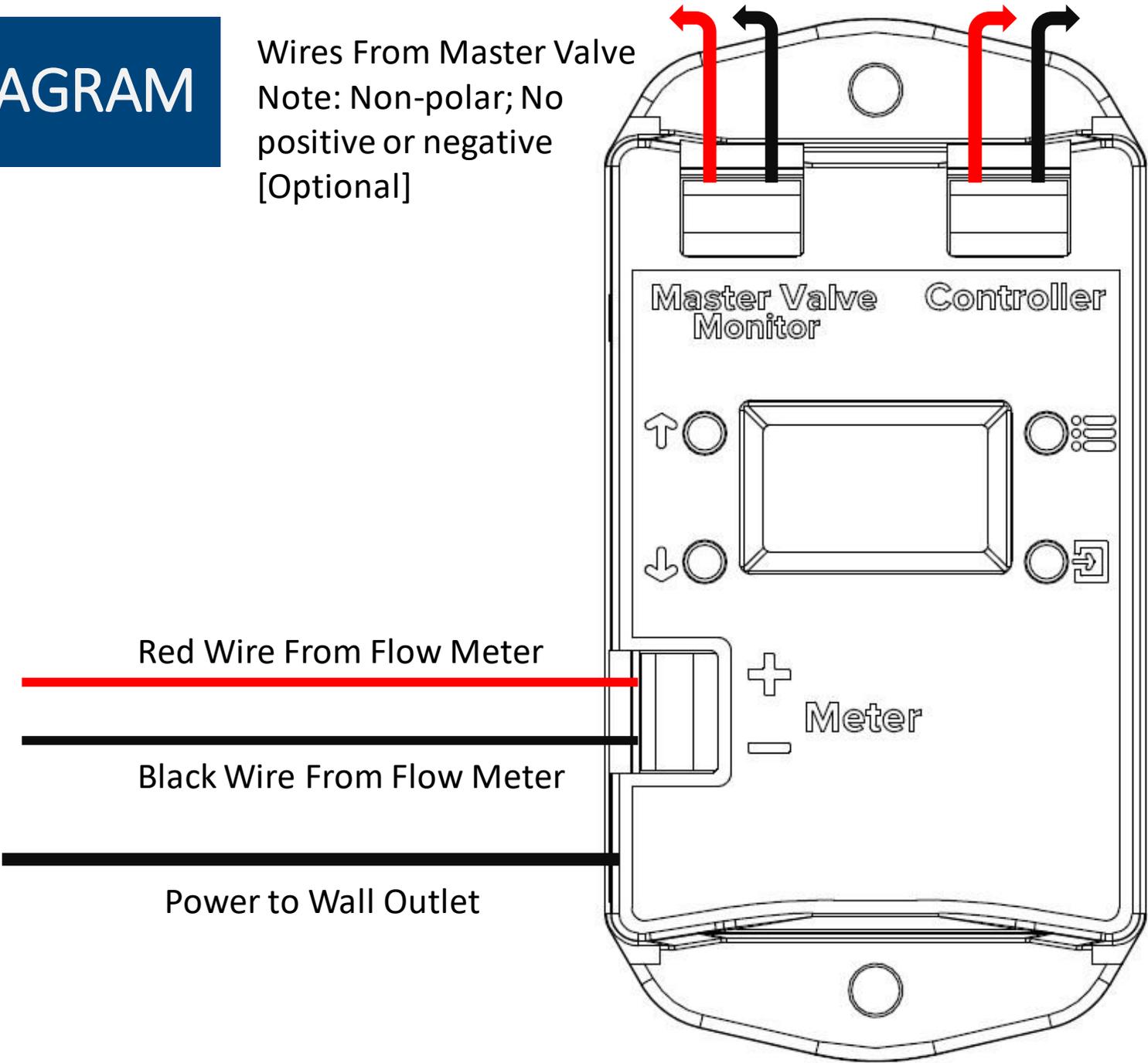


-  MENU
-  ENTER
-  UP
-  DOWN

WIRING DIAGRAM

Wires From Master Valve
Note: Non-polar; No positive or negative [Optional]

Wires to Controller
Note: Non-polar; No positive or negative



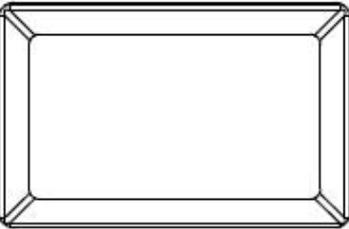
Red Wire From Flow Meter

Black Wire From Flow Meter

Power to Wall Outlet

Master Valve
Monitor

Controller



+

-

Meter

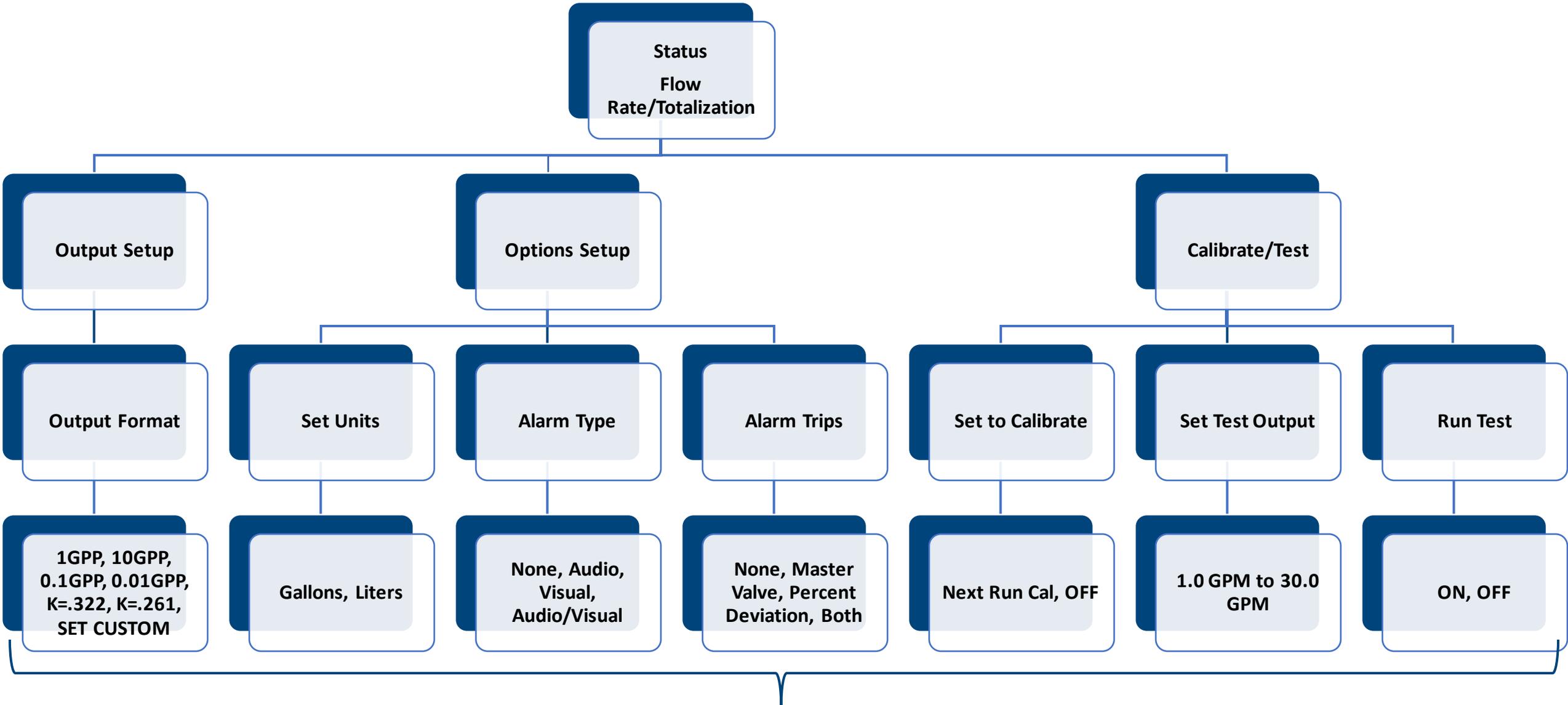
There are two modes for the UMI, controlled by the switch on the side of the unit; BASIC and ADVANCED

For most, basic will have enough features and simplicity for 95% of use cases. Advanced is for those who want complete control of the output mechanic and percent deviation for alarm.

To switch between BASIC and ADVANCED mode, push the switch to the corresponding position, power off (unplug) and then power back on the unit.

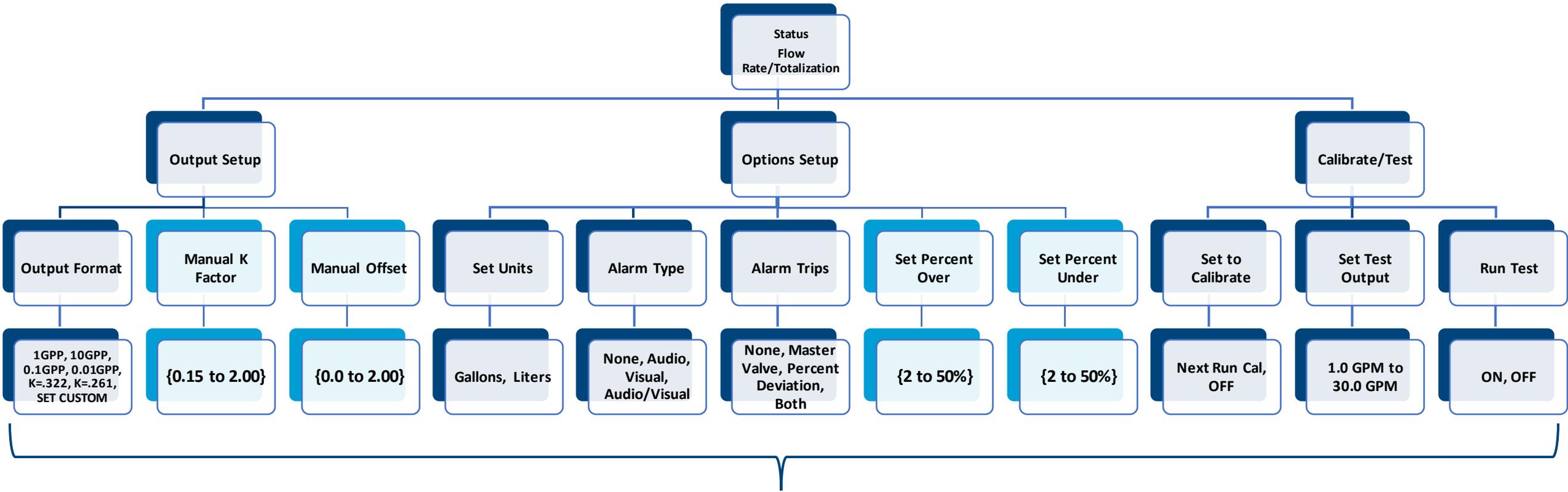
The following document will help you get set up with your BETA unit UMI.

Basic Mode



Final Row Contains Selectable Options

Advanced Mode



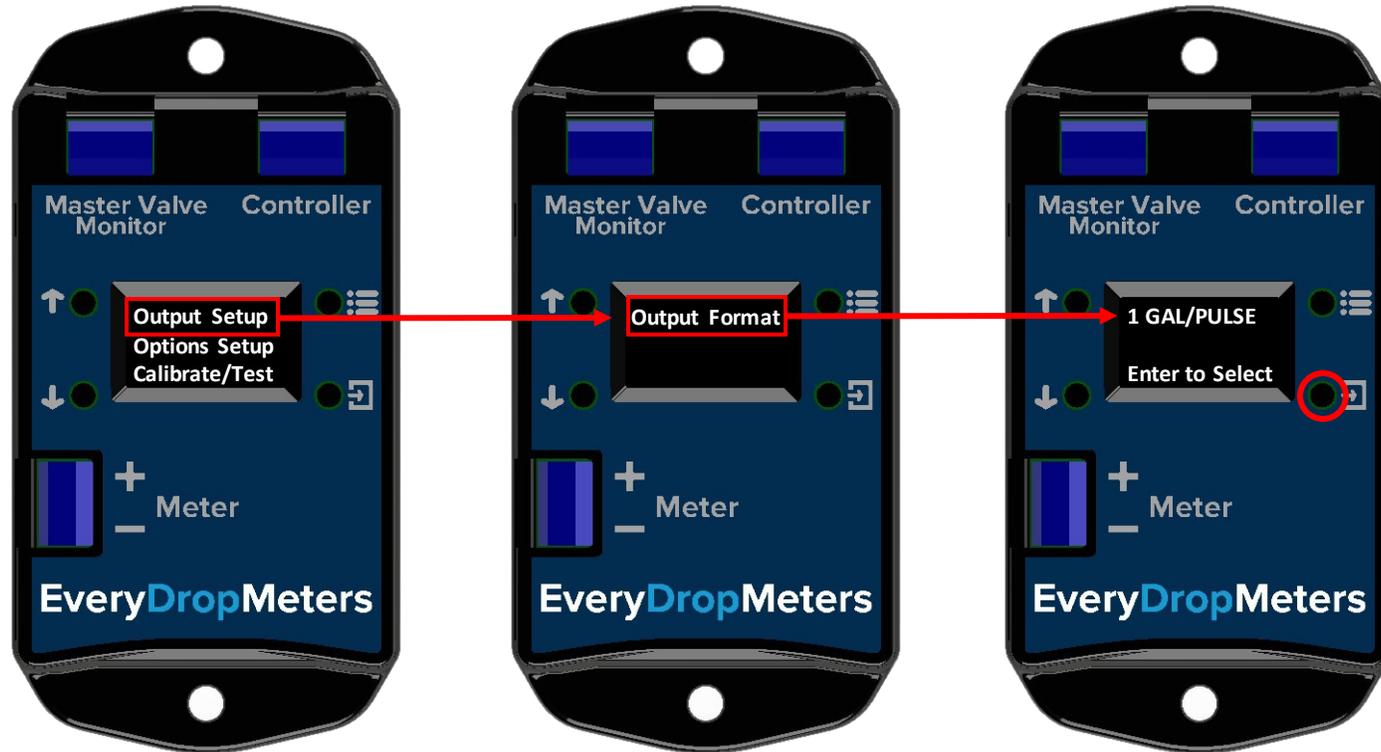
Final Row Contains Selectable Options

Setting Up Your Meter

Basic Mode – Selecting the Correct Output

Select the MENU Button from the Main Screen

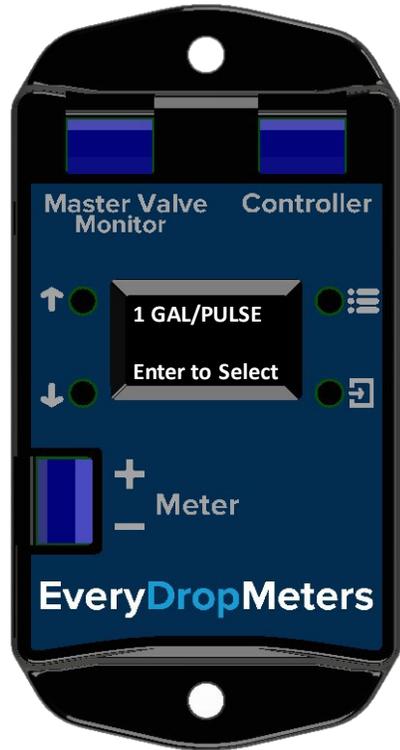
Setting your output format is required to ensure the UMI is communicating to your controller correctly. This is the first step after wiring your UMI to your controller.



Setting Up Your Meter

Basic Mode – Selecting the Correct Output

Select the MENU Button from the Main Screen



Common Output Types for Controllers:

Rachio: $K=.322$

Hunter: 1 GAL/PULSE

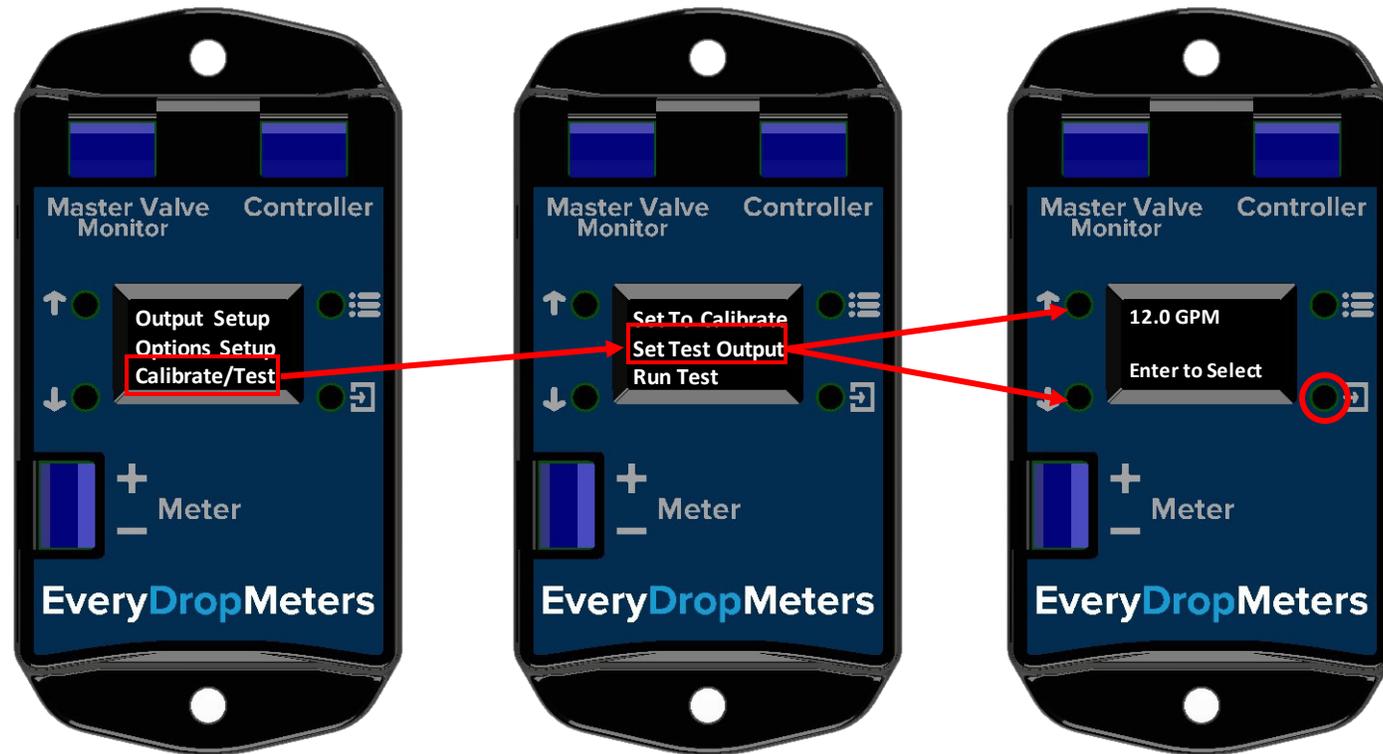
Rainbird: 1 GAL/PULSE

Rainmachine: 1 GAL/PULSE

Setting Up Your Meter

Basic Mode – Set Up A Test Output

Select the MENU Button from the Main Screen



Running a test output will allow you to ensure that your Everydrop Flow Meter and your smart controller are communicating affectively. After selecting the corresponding output that your controller understands, run a test output to make sure the numbers match.

Setting Up Your Meter

Basic Mode – Run A Test Output

Select the MENU Button from the Main Screen

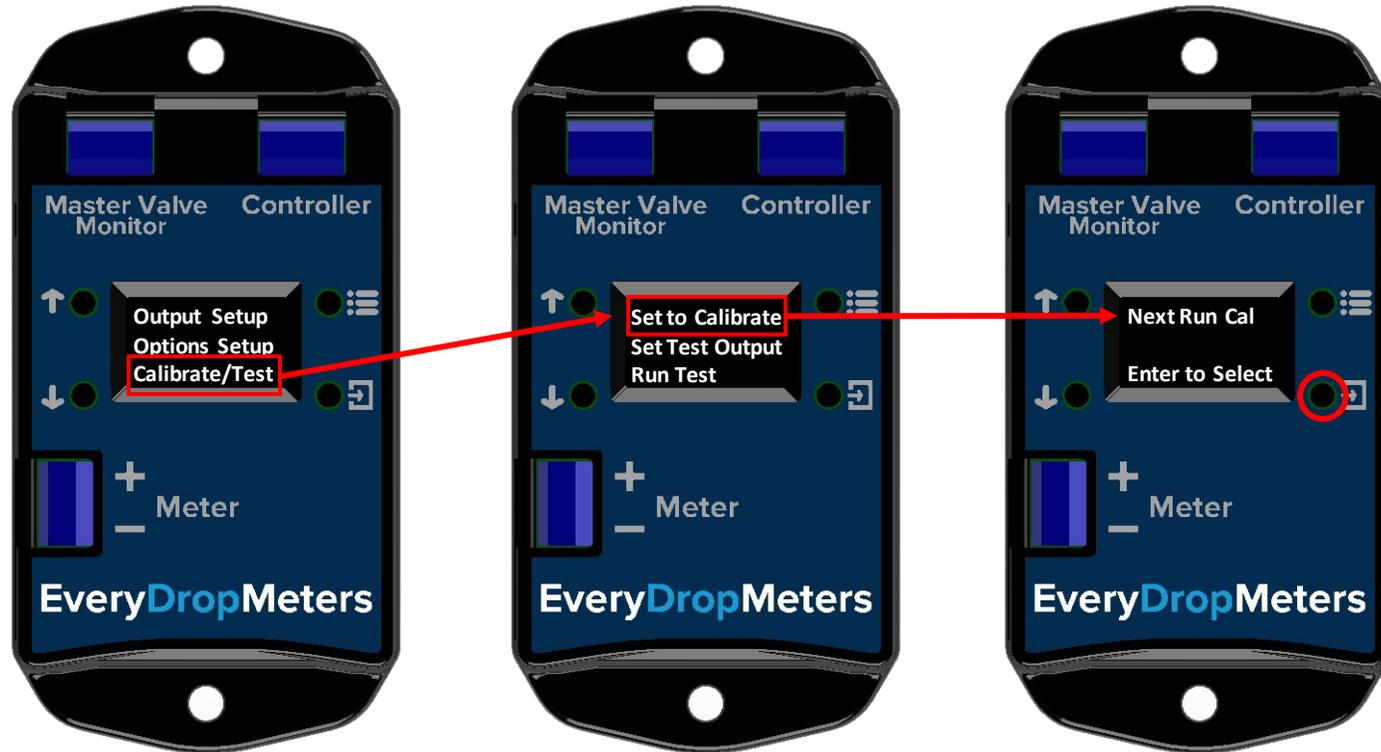
Cross-reference your UMI with your smart controller to make sure the numbers match!



Setting Up Your Meter

Basic Mode – Calibrating your Irrigation System

Select the MENU Button from the Main Screen



Calibrating your irrigation system will allow the UMI to compare runs from day-to-day to ensure the same amount of water is being used consistently. This will help with leaks/over-watering.

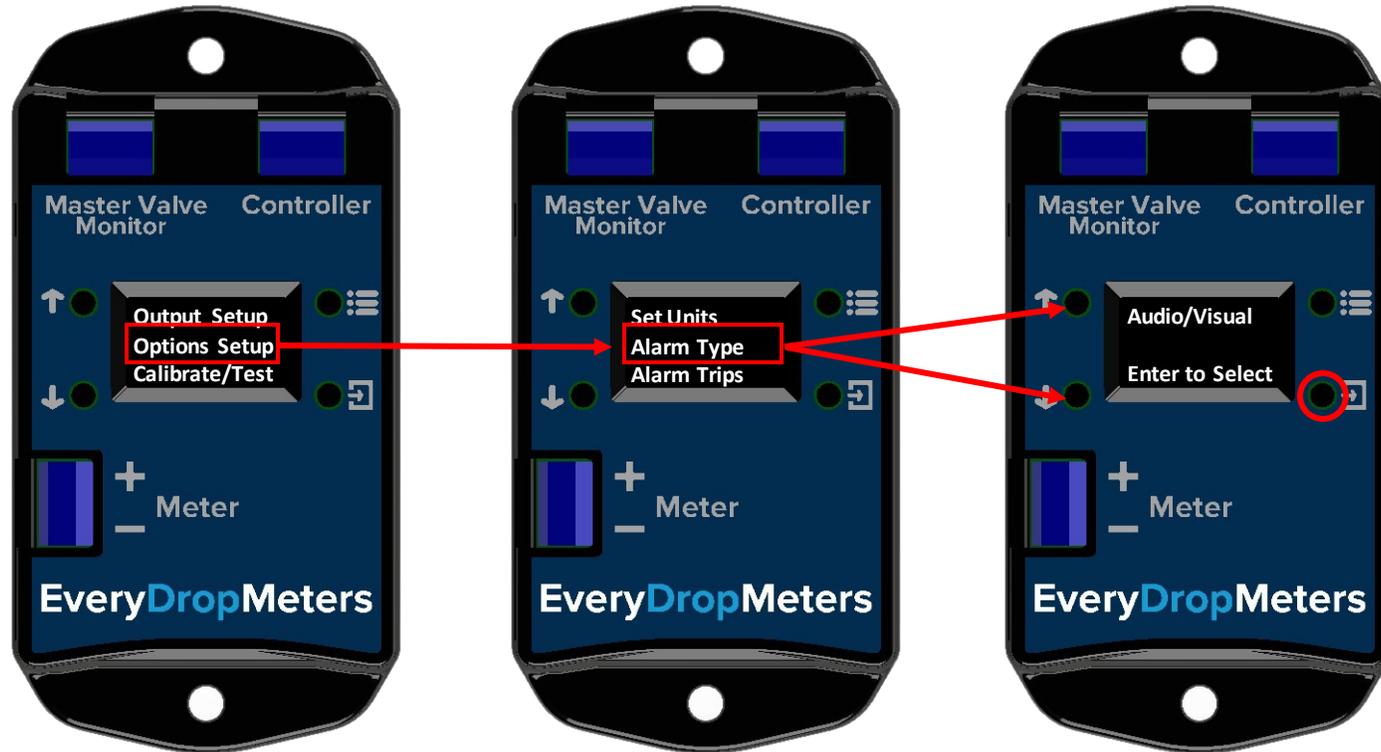
Simply select "Next Run Cal" and allow your irrigation to run as normal. The amount of water used will become a stored value that gets compared each time watering occurs.

Setting Up Your Meter

Basic Mode – Setting Your Alarm Type

Select the MENU Button from the Main Screen

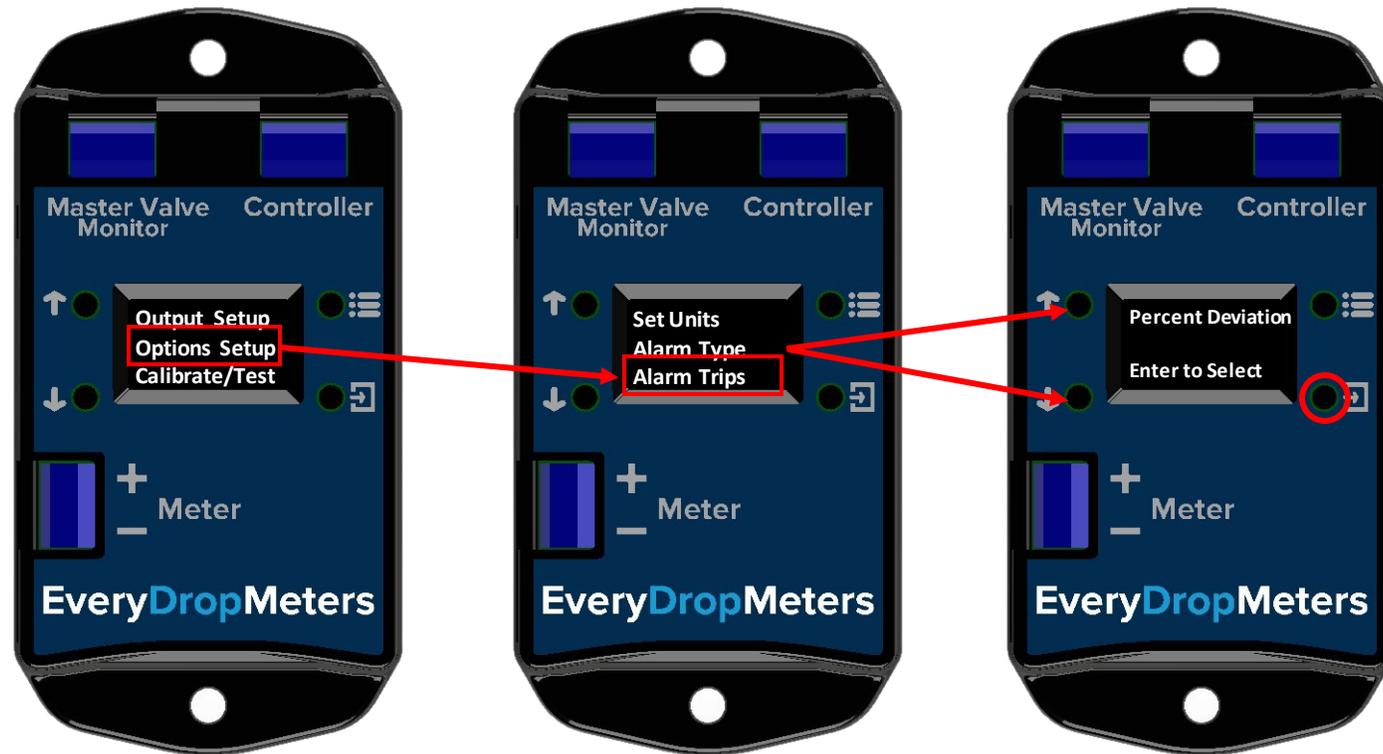
Select what sort of alarm (if any) you'd like when watering is over/under the calibrated amount by 10%.



Setting Up Your Meter

Basic Mode – Setting Your Alarm Trip

Select the MENU Button from the Main Screen

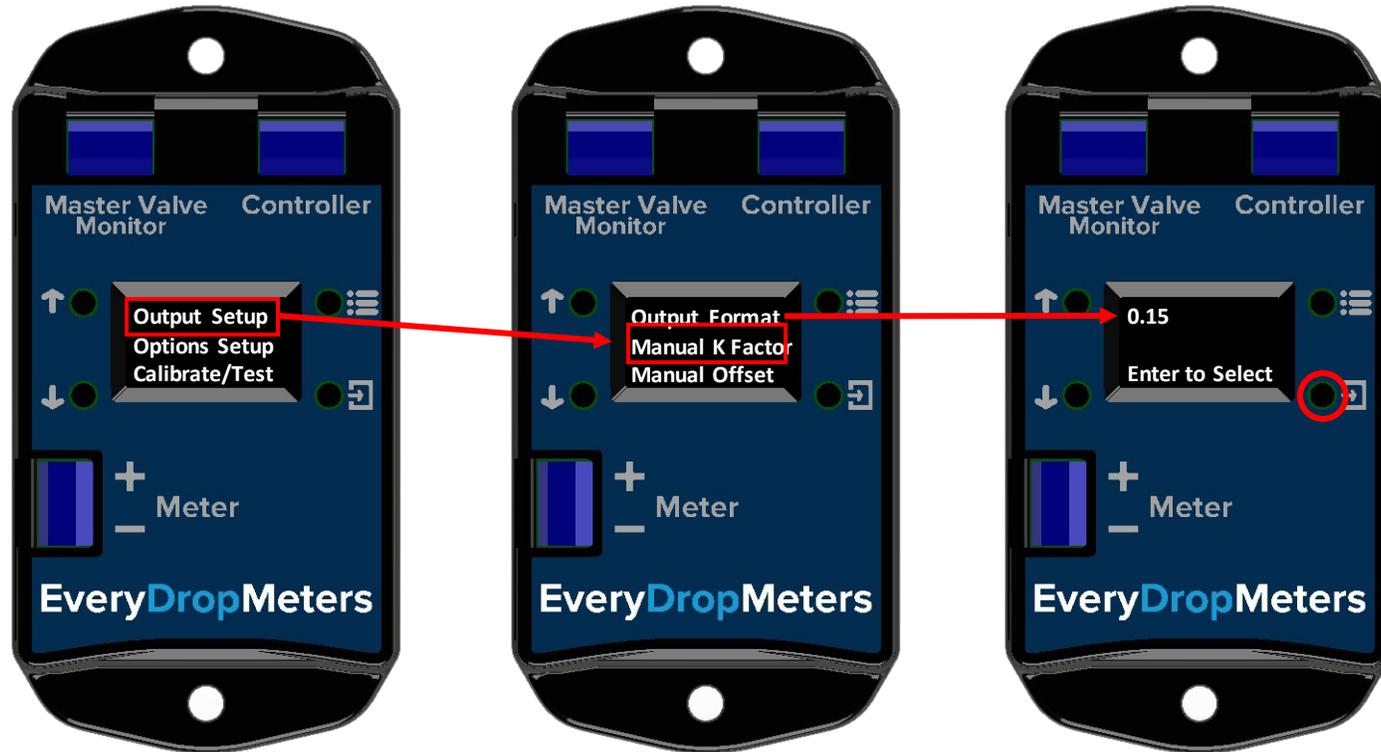


Setting the alarm trip cause will tell the UMI when to alarm. Master Valve and Both are useful only if the UMI is connected to your MV and knows when the master valve is open or closed. If watering occurs while the master valve is meant to be closed, we know there is a leak, and an alarm will blare.

Setting Up Your Meter

Advanced Mode – Manually Select K Factor & Offset

Select the MENU Button from the Main Screen



Setting Up Your Meter

Advanced Mode – Set Percent Over/Under

Select the MENU Button from the Main Screen

