

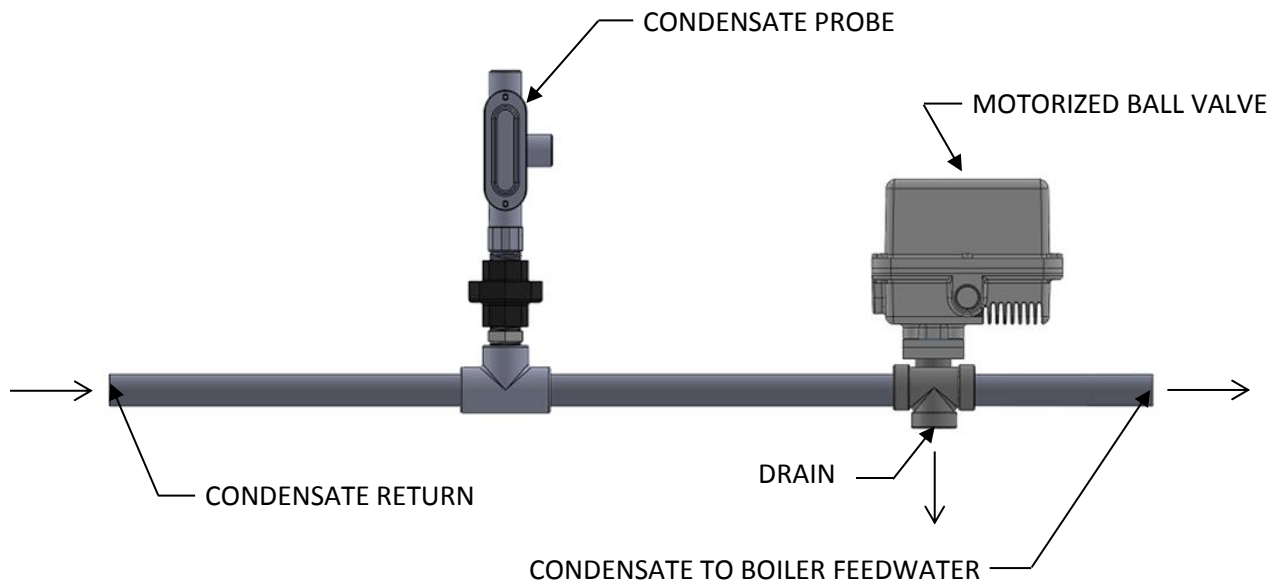
MicroVision *Condensate* Quick Start guide

Installation Requirements

- Completely read and understand the installation and operation manual for this product before commissioning. Failure to do so may result in serious personal injury or even death.
- Failure to comply with the installation requirements may result in system failure and may void the equipment warranty.



This unit must be reprogrammed into continuous mode for condensate control.

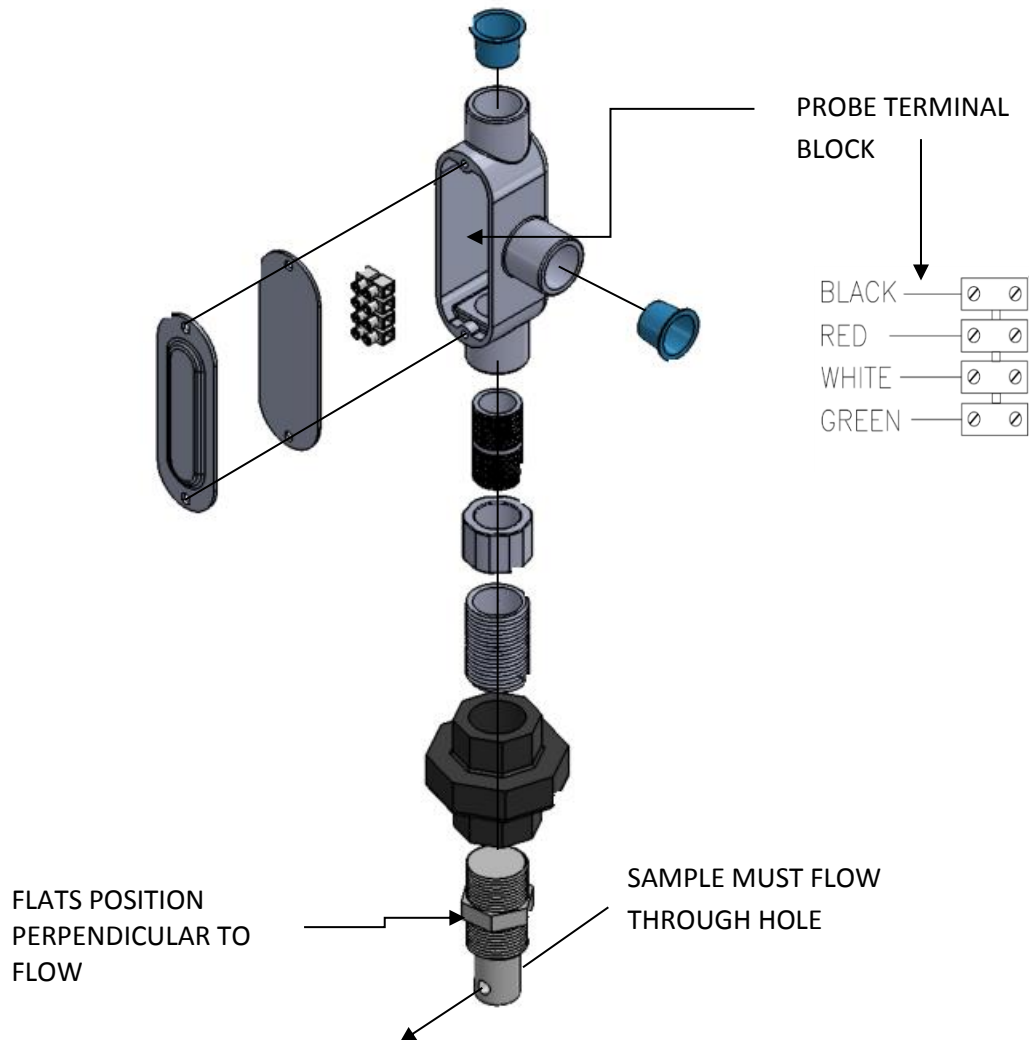


AVOID LOCATIONS WHERE THE CONTROLLER WOULD BE SUBJECTED TO EXTREME COLD OR HEAT {LESS THAN 0°F (-17.8°C) OR GREATER THAN 150 °F (65.6°C)}, DIRECT SUNLIGHT, VIBRATION, VAPORS, LIQUID SPILLS, OR EMI (ELECTROMAGNETIC INTERFERENCE; E.G., STRONG RADIO TRANSMISSION AND ELECTRIC MOTORS).

DO NOT MODIFY THE LENGTH OF CABLE BETWEEN THE MICROVISION CONDENSATE CONTROLLER AND THE CONDENSATE PROBE.

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PROBE INSTALLATION DETAILS



SHOWN FOR CONDENSATE PROBE



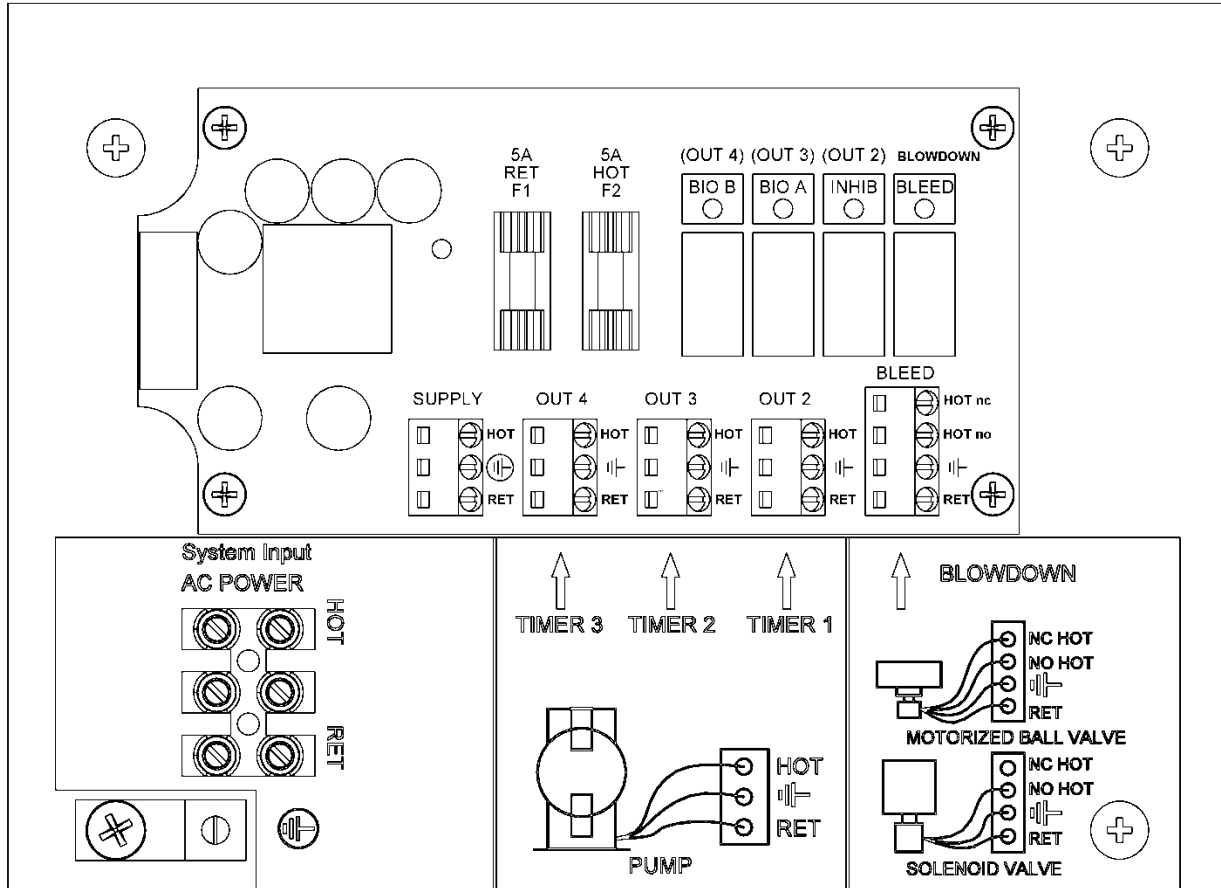
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Wiring Requirements

RELAY BOARD CONNECTIONS

INSIDE BOTTOM VIEW OF CONTROLLER



NOTE

Low voltage signal wires, e.g., water meter, must be run separate from AC power lines. These connections will be covered in the Low Voltage section of the manual.

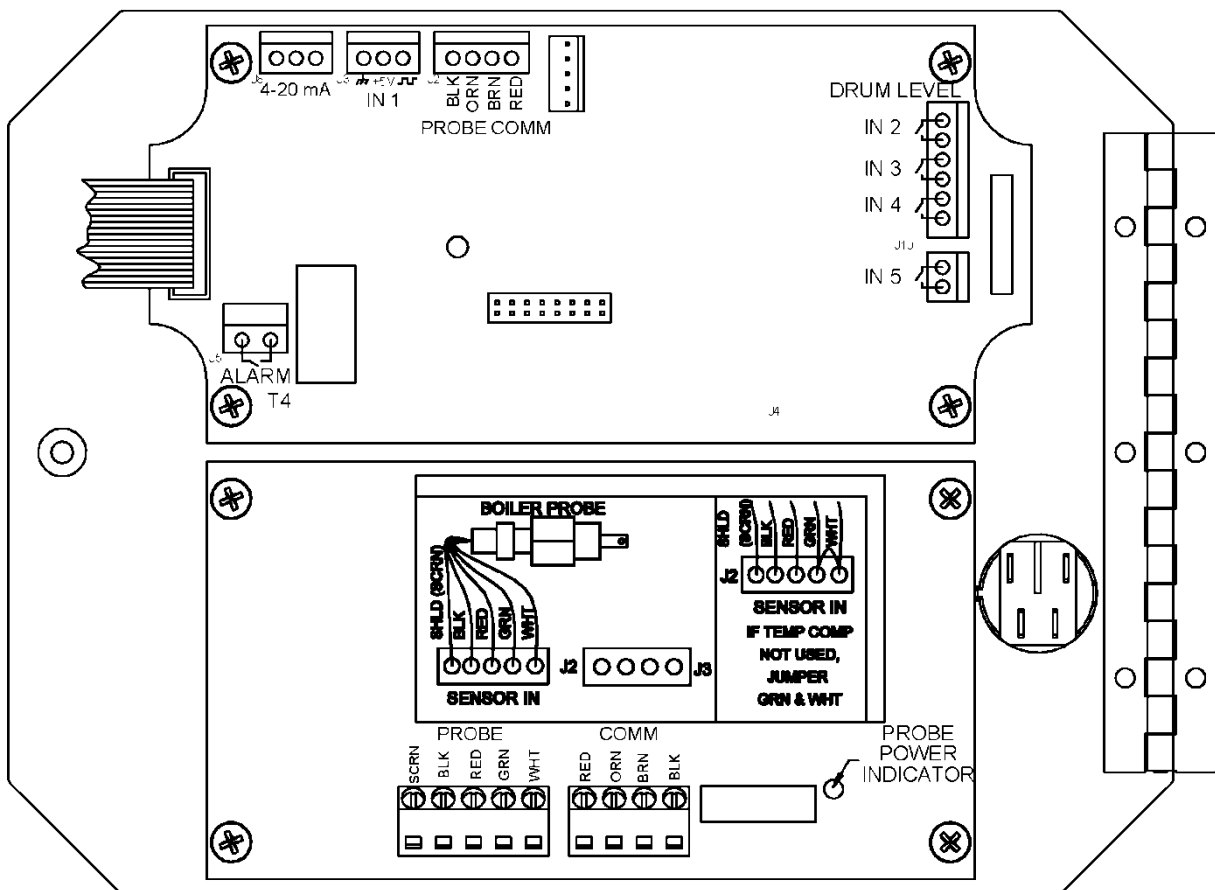
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Low Voltage Connections

The low voltage connections are found on the low voltage (front panel) board (Fig. 7).

Use 22-24 AWG (76 mm²) wire for: interlock, drum levels, dry alarm, and water meter connections. These signal wires must be run separate from AC power lines.

INSIDE VIEW OF CONTROL PANEL



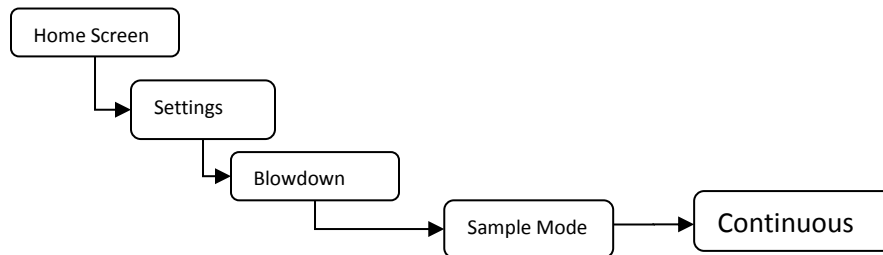
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Probe Calibration



WARNING

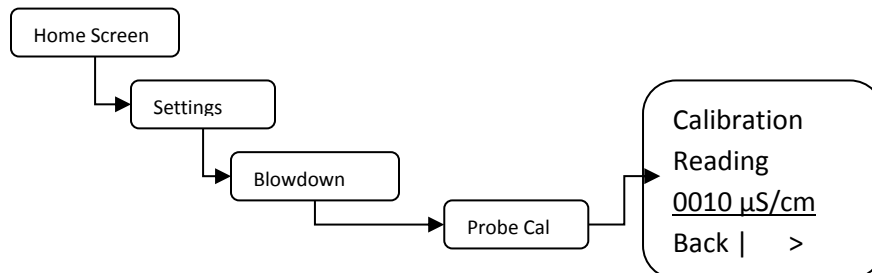
This unit must be reprogrammed into continuous mode for condensate control.



Calibration must be performed at the condensate control set point with a hand held tester before calibrating.

Once the unit has been set into continuous sample mode, make sure flow is going across the probe for at least two minutes prior to calibration. A hand held sample is entered into the calibration screen and the controller automatically saves the value.

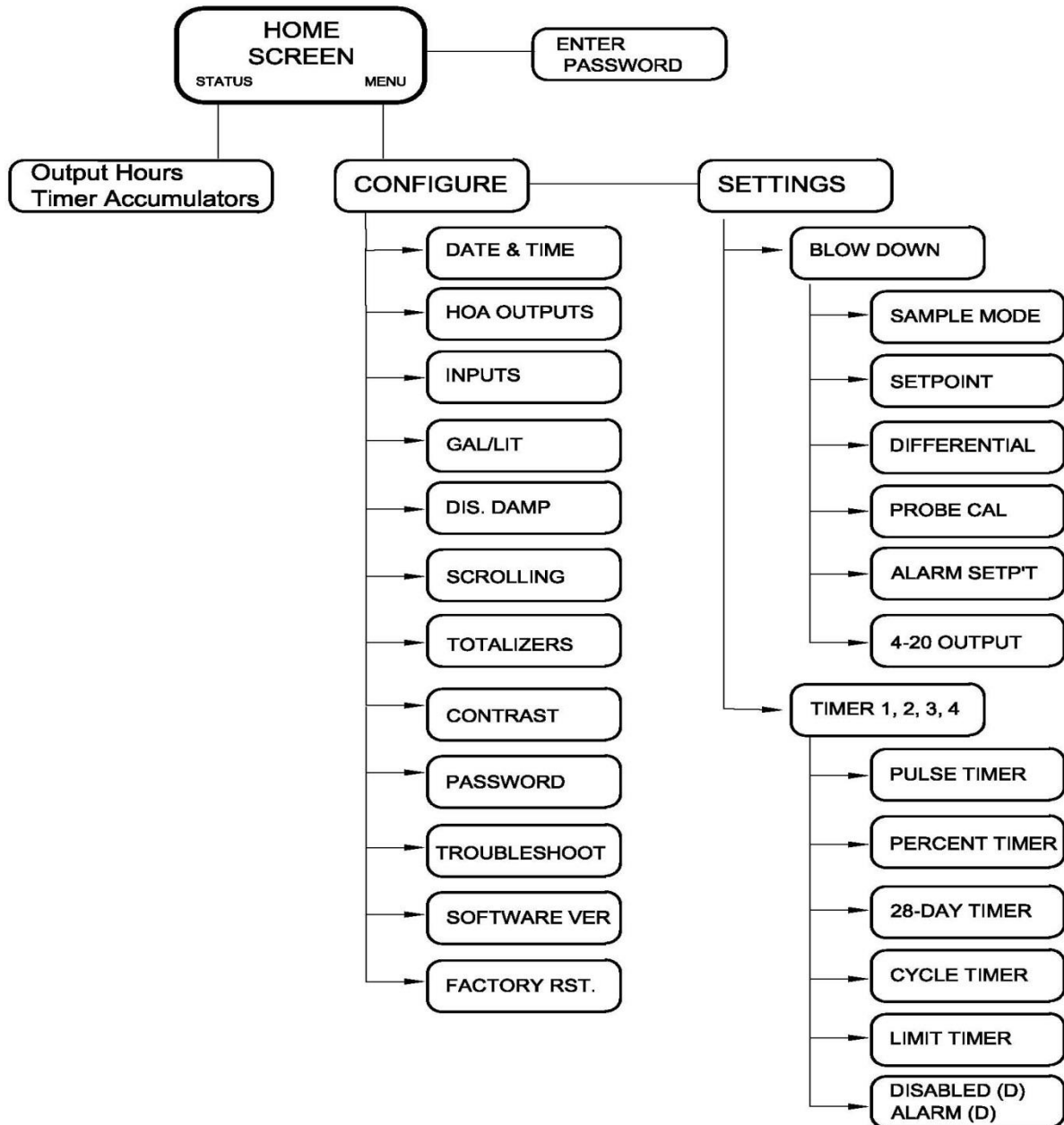
Step 1 – Move to the Probe Calibration screen.



Step 2 – Draw a sample of the process flow water and measure the conductivity using a calibrated meter. For best results cool the sample for the hand held to 25°C (77°F), this is required for non-temperature compensated hand held devices. Enter the conductivity value and then press the > key. During the calibration time, the temperature and real time probe readings are displayed.

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Programming Menu



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Inputs

The MicroVision has 5 digital inputs that can be programmed as follows:

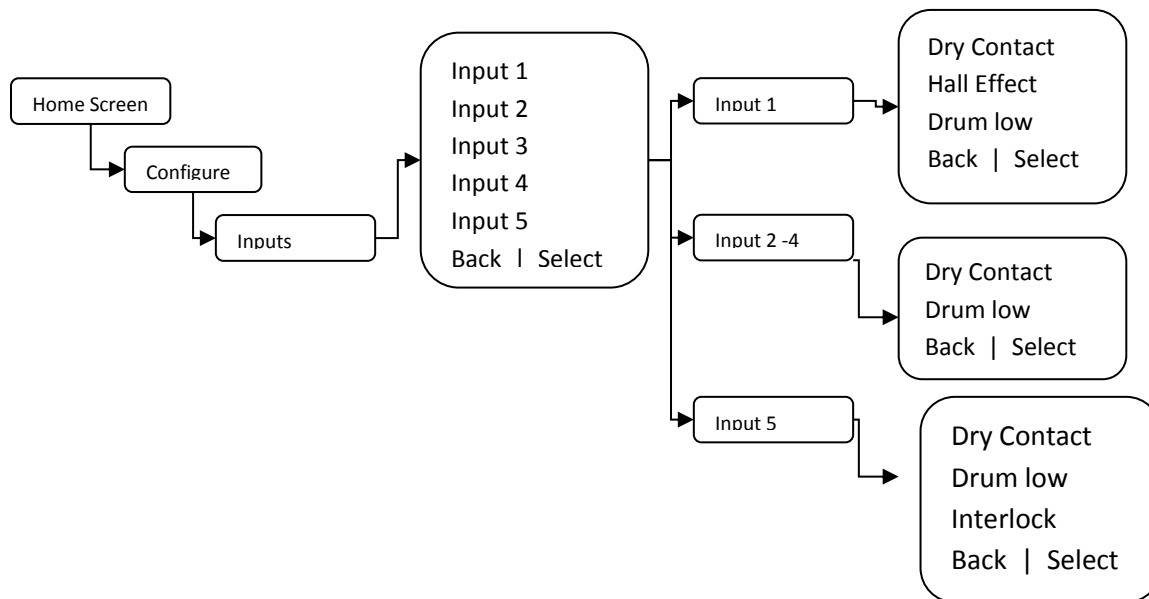
Programmable Inputs	Input 1	Input 2	Input 3	Input 4	Input 5
Drum Level		X (Timer 2)	X (Timer 3)	X (Timer 4)	X (Timer5)
Water meter	X	X	X	X	X
Hall effect	X				
Interlock					X

Drum Levels- If input #2, for example, is set as drum level it will be linked to relay two and may be set by the user to either deactivate the relay, or only to activate an alarm.

Water Meter- Each input may be programmed as water meter inputs that are capable of reading a dry contact water meter. Input number one can be set to read a Hall Effect type water meter.

Interlock- The interlock input requires that an auxiliary relay (not supplied) is installed across the boiler operation controls to produce a dry contact closure when the boiler is off line. Open = not interlocked; closed = Interlock on.

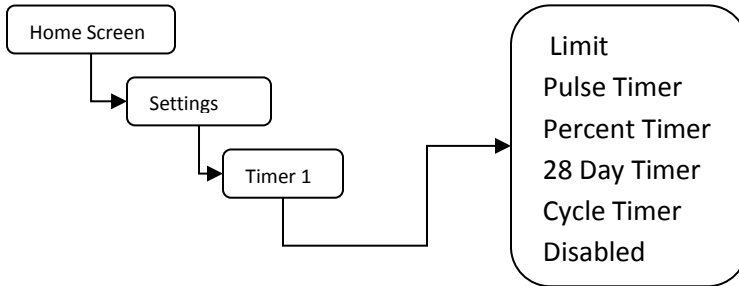
Inputs Menu



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Mode Menus

From this menu pick the mode that the timers will operate in.



Limit Timer – Set this value to the maximum amount of time you want the inhibitor to feed while the blowdown function is running. If this time is exceeded the controller will go into alarm and the inhibitor feed control output will de-energize.

Pulse Timer – See the menu for this function in the installation manual.

Percent Timer – Set the timer run time period and percentage of the time period.

28 Day Timer– See the menu for this function in the installation manual

REVISION HISTORY			
Revision	Description	Date	Approved
A	Release	6/15/2017	LP

Uncontrolled When Printed-User is Responsible to verify revision level of this document prior to use