



MC Smart Controls

Full Product Manual

FL-1000

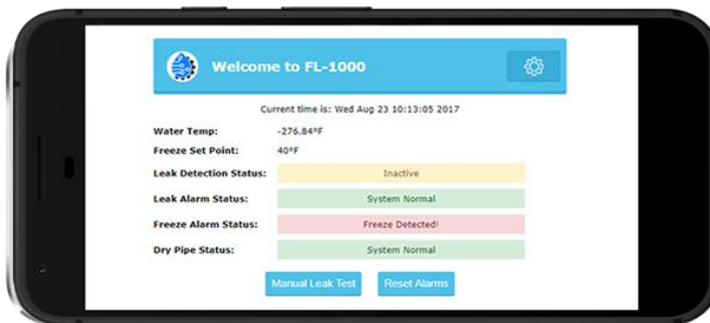


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Installation

Location

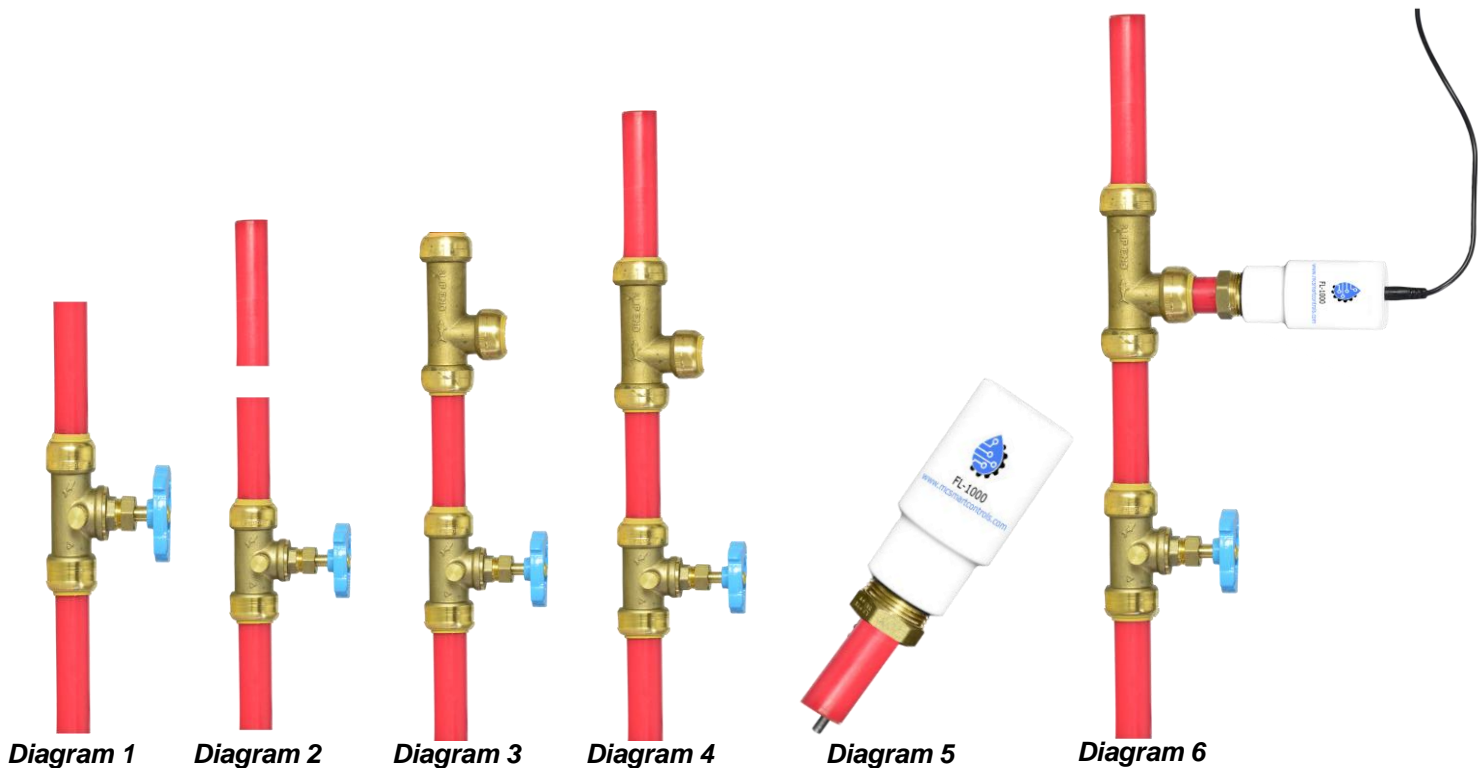
- Select a location at least 6 inches or more after the main shutoff for the installation of the FL-1000 sensor. Make sure that the location you select in the main line after the shutoff valve is before the pipe branches off.

Mounting and Installation *(It is Strongly advised to contract a certified plumber)*

1. Locate and shut off the main valve that feeds the water to the house. *See diagram 1*
2. Cut a two inch piece out of the PEX water pipe. *See diagram 2*
3. Slip the Shark Bite Model# U3370LFA push tee fitting on to one end of the cut water pipe(PEX, Copper, PVC) . *See diagram 3*
4. Slip the other end of the water pipe on to the tee. *See diagram 4*
5. Take out the FL-1000 leak detector for its package. *See diagram 5*
6. Install the FL-1000 leak detector into the top of the tee.. *See diagram 6*
7. Turn the main water valve back on and check for leaks.

Connect Line Power

- Let the water run for a few minutes. If there are no leaks plug the supplied AC wall adapter power supply into the wall outlet.




Communications Page for the FL-1000

Download the APP to your smart device from www.FL-1000.com/?????

Step 1: Connect to the FL-1000 as a WIFI network:

- ❑ While standing within 50 feet of the FL-1000 unit with a smart device. Look for local WIFI network named FL-1000_xxxxxx = the last four characters of the specific FL-1000's MAC address. Example: **FL-1000_030768**. See **Diagram 1 Below**.
- ❑ Select the FL-1000 network and enter the default password "FL-1000" This will connect you to the unit and allow you to configure or control the unit directly. Open up the FL-1000 APP on your smart device. The APP will automatically search for the FL-1000. Once the smart device locates the FL-1000 leak detector select the "connect" button. Once you are connected to the FL-1000 user interface you can choose to connect the device to your local WIFI network.

Step 2: Connect to Local WIFI Network:

- ❑ While connected to the FL-1000 via the on board WIFI network select the "Configure" tab located under the gear graphic.  This will take you to the set up page.
- ❑ In the "Wireless Setup" window check the "Connect to WIFI" box. Hit the "Scan" button and a list of all the local WIFI networks will appear.
- ❑ Select the network that you would like to join.
- ❑ Choose the security and enter the password. Hit "Save Network Configuration and Reboot" and the FL-1000 will connect to the network and a "Configuration Saved Successfully message will be displayed. See **Diagram 2**.
- ❑ Once you are connected to the local WIFI network, reconnect to the local WIFI network with your smart device. Once connected to the local network open up the FL-1000 APP again. The APP will automatically locate your FL-1000 device on the local network. Select "connect" and you will be connected to the FL-1000 user interface.

SSID	Channel	Security	Signal Strength
RainPal_5C9E	1	None	65
CenturyLink3469	11	WPA2	35
SKG-Guest	11	WPA2	25
SKG	11	WPA2	25
Trent's-Wi-Fi	11	WPA2	23
NSA_Securden	11	WPA2	19
FL-1000_8315B0	11	None	16
virus	1	WPA2	13
ISB	1	WPA2	11
CenturyLink1064	11	WPA2	9
Powerhouse	1	WPA2	8
DIRECT-54-HP OfficeJet Pro 8710	11	WPA2	8
Bailey	11	WPA2	7
Pentico	11	WPA2	5

Diagram 7

Configuration Updated Successfully

Basic Info

Name: FL-1000

Temperature Unit: Fahrenheit

Freeze Set Point: 40

Leak Detection Interval 1

Wireless Setup

Connect to Wifi:

Scan

SSID: CenturyLink3469

WPA2 Password: shivan1995

Use DHCP:

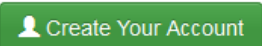
IP Address: 192.168.0.133

Netmask: 255.255.255.0

Gateway: 192.168.0.1

Diagram 8

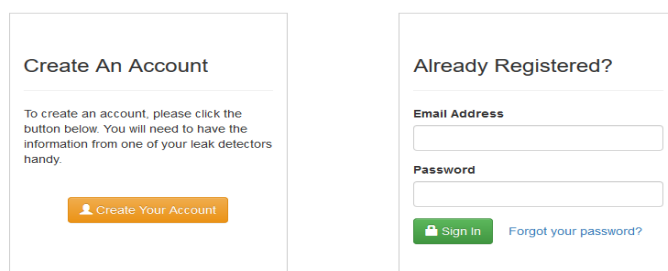
Registering the FL-1000 on the Server

- The Server sign up screen will appear (*See Diagram 9 Below*).
 - Click on “Create An Account” This will bring you to the sign up screen.
 - Fill out the “User Information” and “Location Information” and “Leak Detector Information” forms (*See Diagram 10 Below*).
 - When you fill out the “Leak Detector Information” form enter the Mac Address you saved from the previous page leaving out the colons. E.g. **8301B8** . **Enter the serial number as 12345**.
Choose a name for your leak detector.
- Click on 

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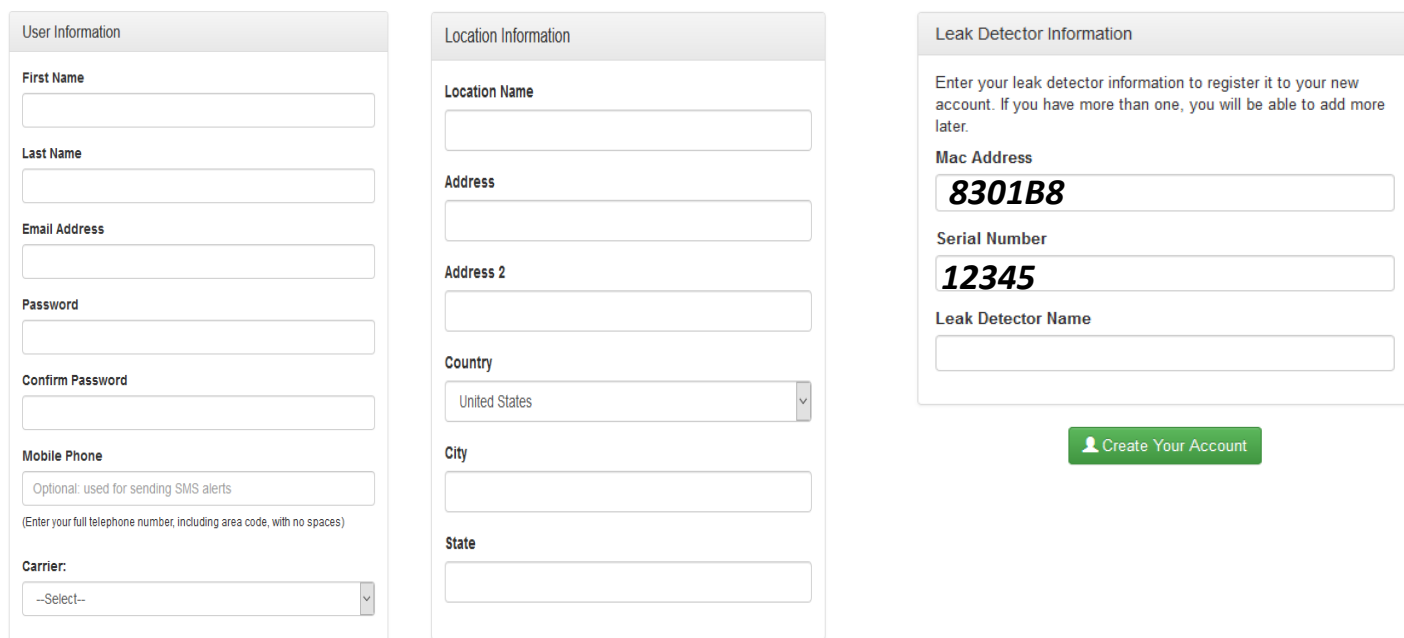


Authentication



The authentication screen is divided into two main sections. The left section is titled "Create An Account" and contains the text: "To create an account, please click the button below. You will need to have the information from one of your leak detectors handy." Below this text is an orange button with a person icon and the text "Create Your Account". The right section is titled "Already Registered?" and contains two input fields: "Email Address" and "Password". Below these fields are two buttons: a green "Sign In" button with a lock icon and a blue "Forgot your password?" link.

Diagram 9



The registration process consists of three forms. The "User Information" form has fields for First Name, Last Name, Email Address, Password, Confirm Password, Mobile Phone (with a note: "Optional: used for sending SMS alerts" and "(Enter your full telephone number, including area code, with no spaces)"), and Carrier (a dropdown menu with "--Select--"). The "Location Information" form has fields for Location Name, Address, Address 2, Country (a dropdown menu with "United States" selected), City, and State. The "Leak Detector Information" form has a text area for instructions: "Enter your leak detector information to register it to your new account. If you have more than one, you will be able to add more later." Below this are fields for Mac Address (containing "8301B8"), Serial Number (containing "12345"), and Leak Detector Name. A green "Create Your Account" button is located below the Leak Detector Information form.

Diagram 10

Logging on to your account on the FL-1000 on the Server

- ❑ Open up the APP and select “Register”.
- ❑ You will be directed to your “My Account” screen *(See Diagram 11 Below)*.
- ❑ From this screen you can manage your “Profile” *(See Diagram 12 Below)*.

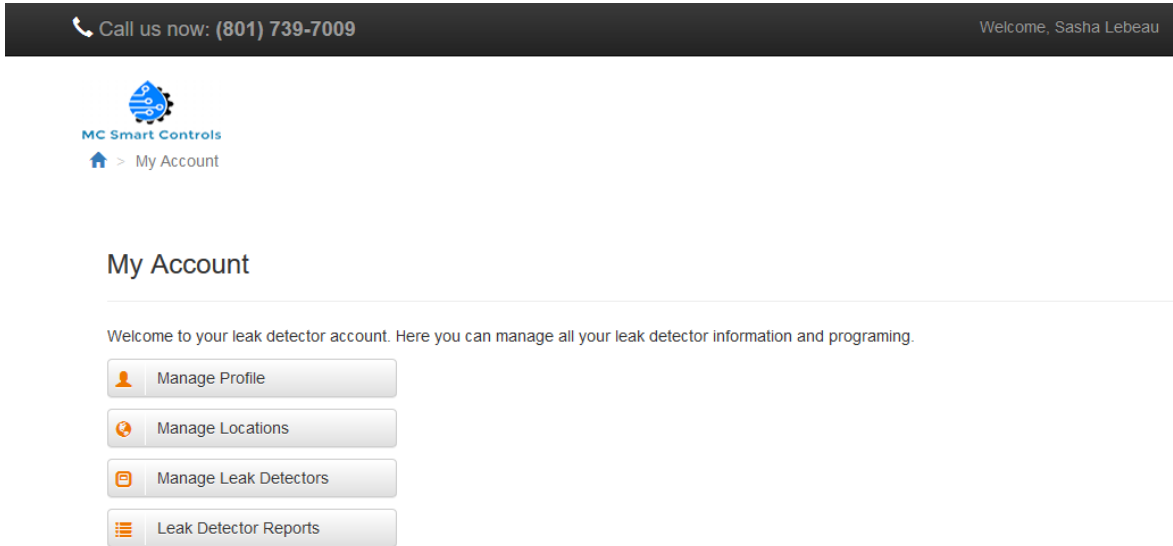


Diagram 11

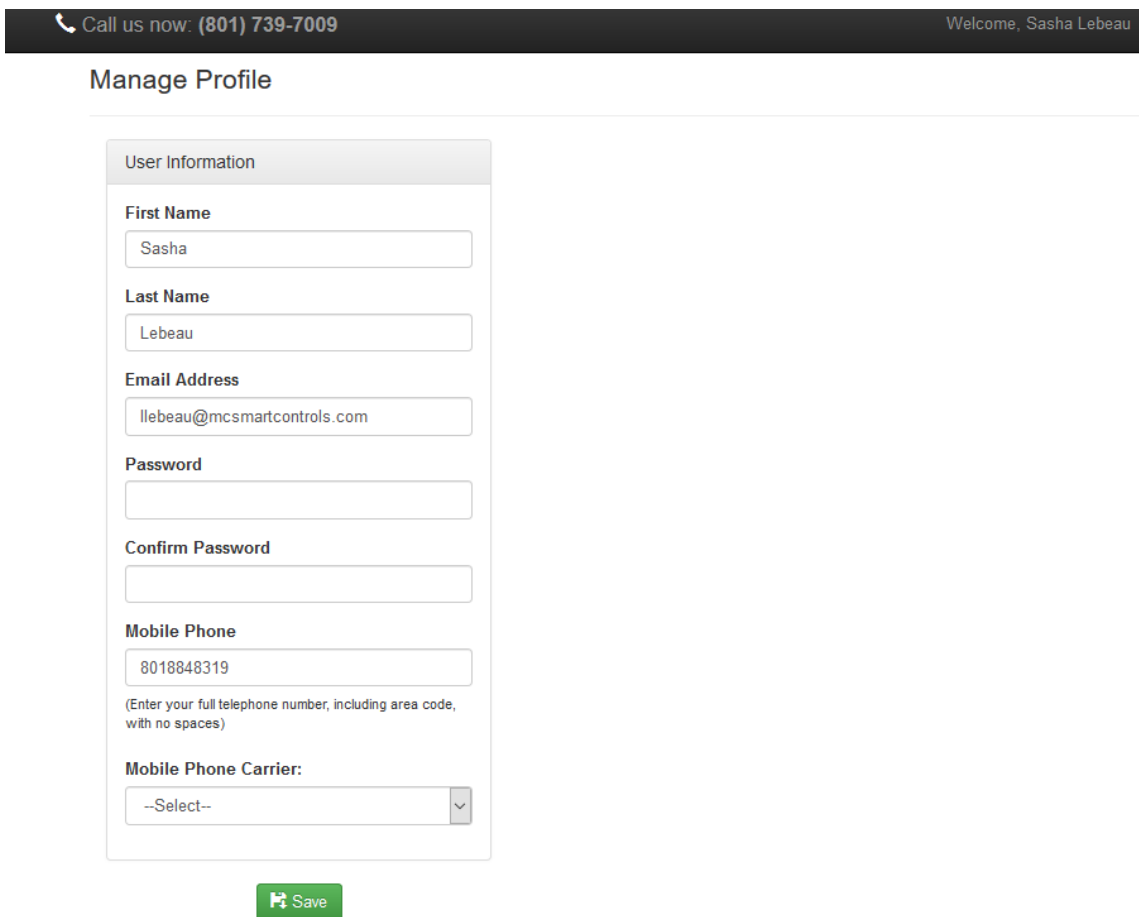


Diagram 12

Configuring the FL-1000 on the Server

- ❑ From this screen you can manage your **“Locations”** (See Diagram 13 Below).
- ❑ From this screen you can manage your **“Leak Detector Information”** (See Diagram 14 Below).
- ❑ From this screen you can manage your **“Leak Detector Reports”** you can also print out the reports in Excel or PDF format. (See Diagram 15 Below).



Home > My Account > Manage Locations

Location List

Add New Location

Site Name	Address	Country	
Dog House	4658 West South Jordan Parkway South Jordan Utah	United States	<input type="button" value="Manage Leak Detectors"/> <input type="button" value="Edit"/>

Diagram 13

Call us now: (801) 739-7009

Welcome, Sasha Lebeau My Account Log Out



Home > My Account > Manage Leak Detectors

Leak Detector List

Add New Leak Detector

Leak Detector Name	Site Name	MAC	
Sasha1	Dog House	1F0D60	<input type="button" value="Edit"/>

Diagram 14



Home > My Account > Leak Detector Reports

Leak Detector Reports

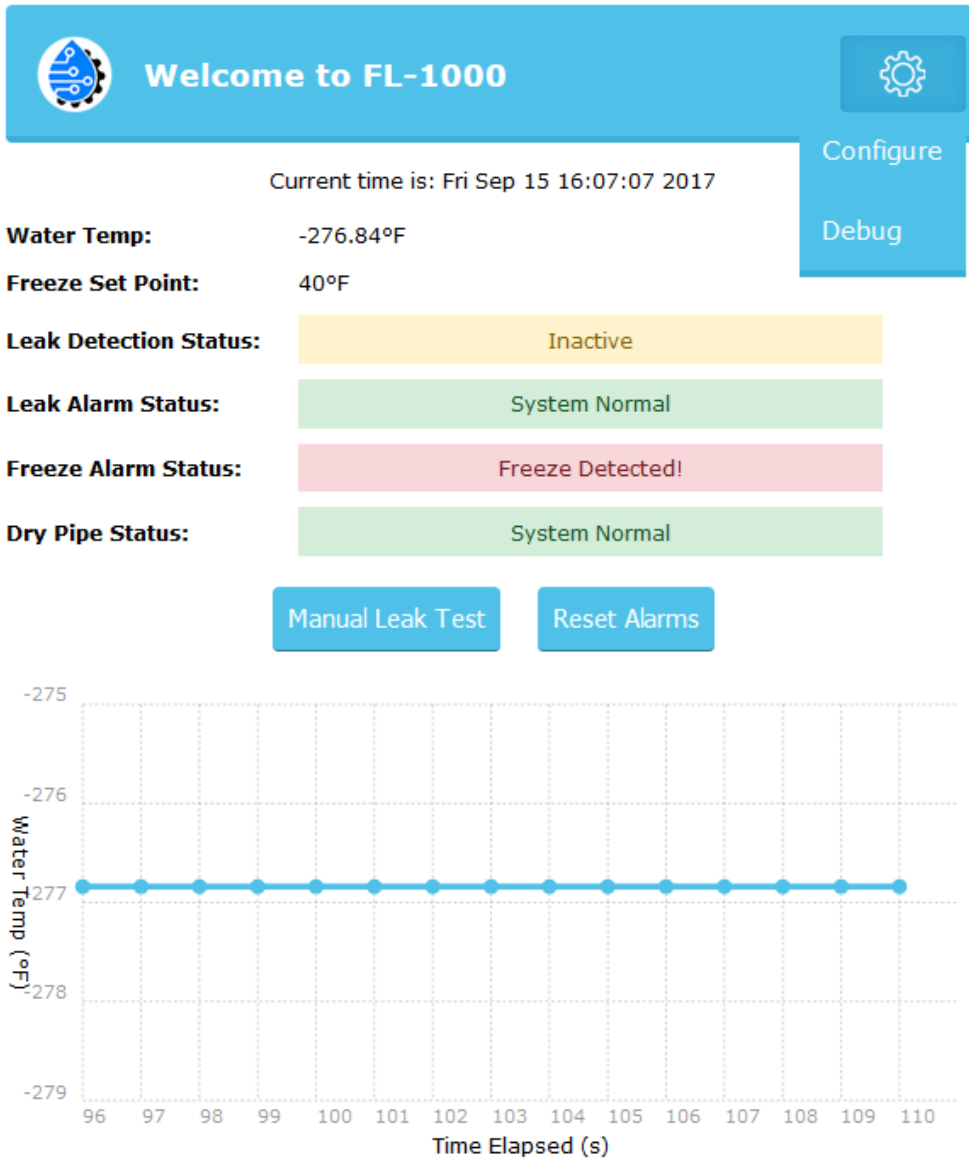
Event Logs

CSV PDF

Leak Detector Name	Date	Action	Info
<input type="text"/>	From: <input type="text" value="2018-01-13"/> To: <input type="text" value="2018-01-20"/>	<input type="text" value="All"/>	<input type="button" value="Search"/>
Sasha1	2018-01-13 09:54:04	Connect	
Sasha1	2018-01-13 12:20:37	Disconnect	
Sasha1	2018-01-13 12:31:38	Connect	
Sasha1	2018-01-13 12:33:09	Disconnect	

Diagram 15

FL-1000 User Interface



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Configure Button- This button will bring you to the configuration page. See next page.

Freeze Set Point- The temperature that is set by user. When the water Temperature goes below this value an alarm is triggered and an email and or a text are sent.

Leak Detection Status- This acknowledges that the leak detection function is enable currently..

Leak Alarm Status- This is triggered when a leak is detected. An email and or a text are sent.


Freeze Alarm Status- This is triggered when the water temperature goes below the Freeze set point. An email and or a text are sent.

Dry Pipe Status-This is triggered when the pipe has no water in it.. An email and or a text are sent.

Manual Leak Test Button- Pressing the "Manual Leak Test" button will test for leaks manually within 10 seconds.

Start Time- This is the time window the user sets. This time window will be the time period in which the FL-1000 will test for leaks in auto mode. Three windows can be configured.

FL-1000 Configuration Page

Welcome to FL-1000

Current time is: Fri Sep 15 16:30:49 2017

Basic Info

Name:

Temperature Unit:

Freeze Set Point:

Leak Detection Interval 1

Enable

Start Time: :

End Time: :

Leak Detection Interval 2

Enable

Leak Detection Interval 3

Enable

Wireless Setup

Connect to Wifi:

SSID:

WPA2 Password:

Use DHCP:

IP Address:

Netmask:

Gateway:

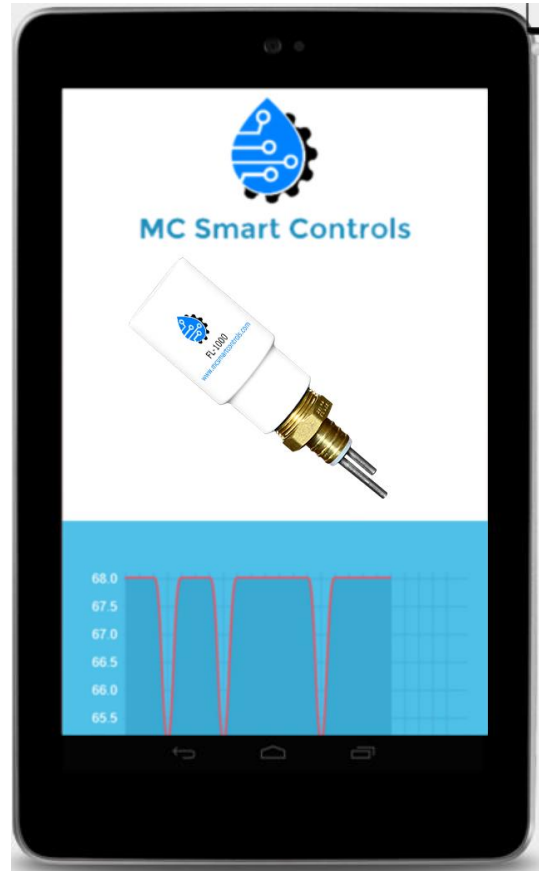
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Basic Info-This menu is where you configure the name of your device, the temperature units, and the setpoint at which you would like the freeze alarm to trigger.

Leak Detection Interval 1,2,3-These windows are where you set up your time scheduling for the automatic leak detection. Three windows are available.

Wireless Setup- This menu is where you configure and connect to your home local WIFI network.

FL-1000 User APP



The APP can be downloaded for free at www.FL-1000.com/????? and used to Access the specific controller locally via the local FL-1000 user interface access point or globally over the internet.

Pre-Delivery/Install Checklist

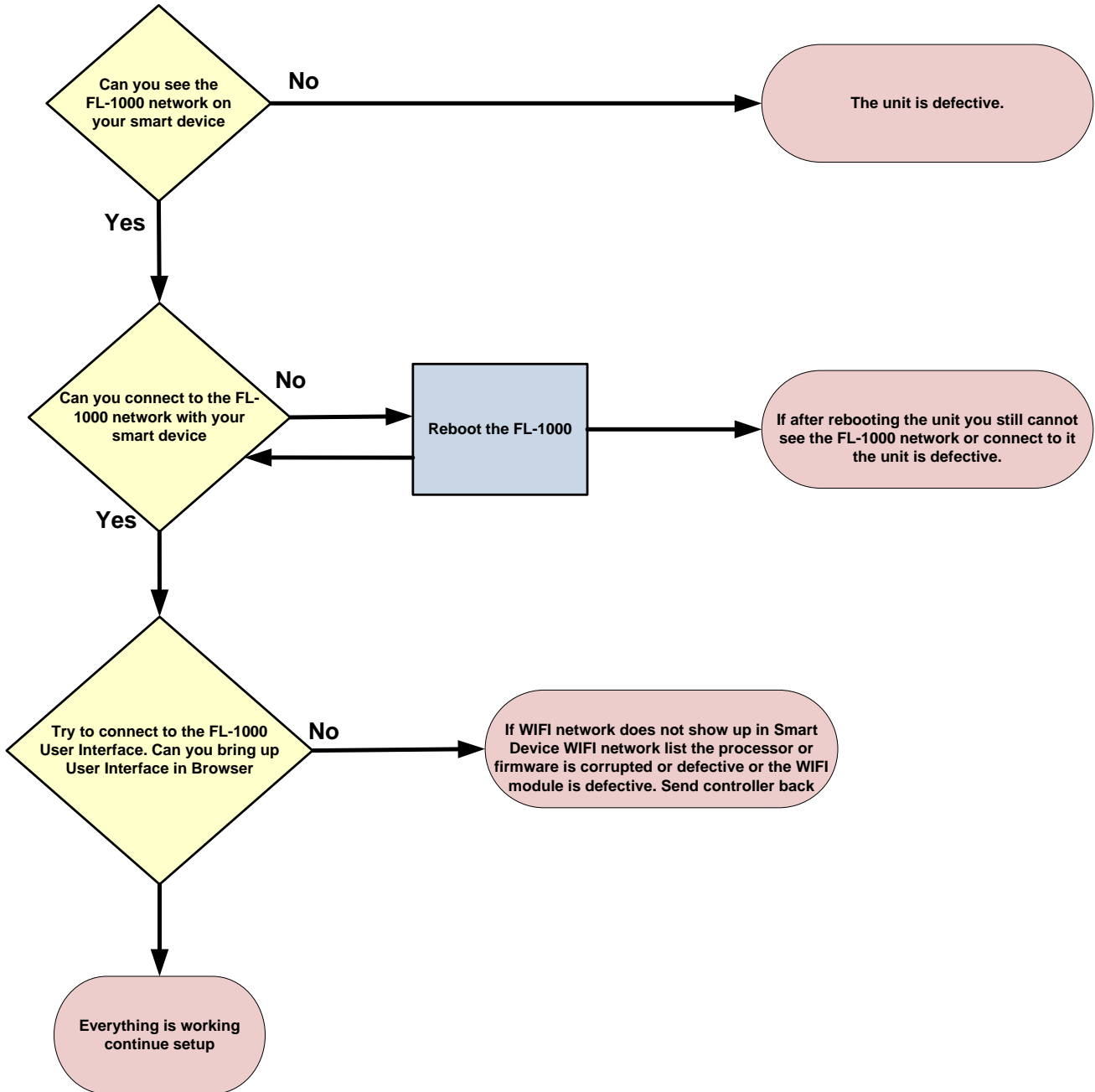


1) FL-1000 Leak/Freeze Sensor



2) 24 VDC power Adapter

Troubleshooting



Warranty and Disclaimers

WARRANTY

Mani Group warrants that each product will be free of defects in material and workmanship for a period of one (1) year for its products. The warranty commences on the date the product is shipped by Mani Group. Mani Group's sole liability and responsibility under this warranty is to repair or replace any product which is returned to it by the Buyer and which Mani Group determines does not conform to the warranty. Product returned to Mani Group for warranty service will be shipped to Mani Group at Buyer's expense and will be reshipped to Buyer at Mani Groups expense. In no event, shall Mani Group be responsible under this warranty for any defect which is caused by negligence, misuse or mistreatment of a product or for any unit which has been altered or modified in any way. The warranty of replacement shall terminate with the one (1) year warranty of the product.

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