

# **Operator Console Unit (OCU3)**

## **User's Manual**

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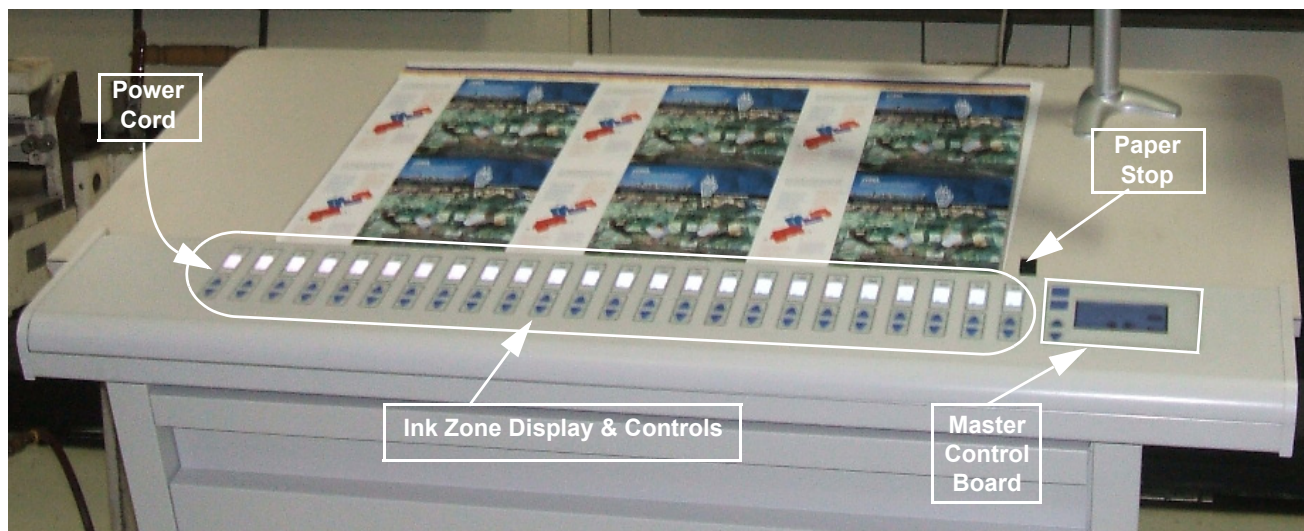
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# 1 OCU3 System Overview

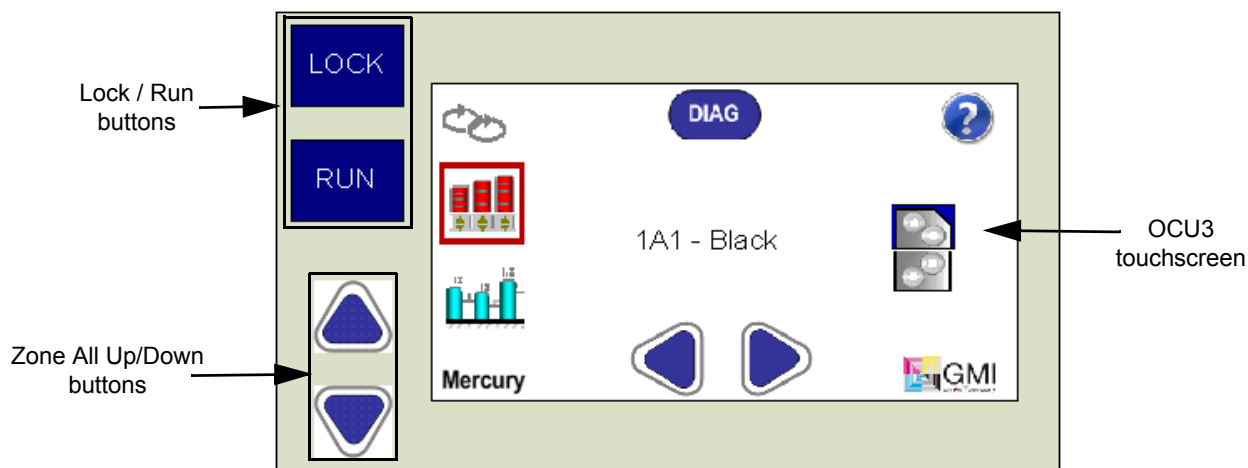
This section describes the OCU3 system.



## 1.1 OCU3 System Components

- **Master Control Board**

Interface to the Mercury system.



- **Ink Zone Display and Controls**

Consists of zone LCD screen and zone Up/Down buttons.

- **Power Cord**

Located on underside of OCU3 console; includes ON/OFF switch.

- **Ethernet Connection**

Connects OCU3 console to Mercury computer.

- **Paper Stop**

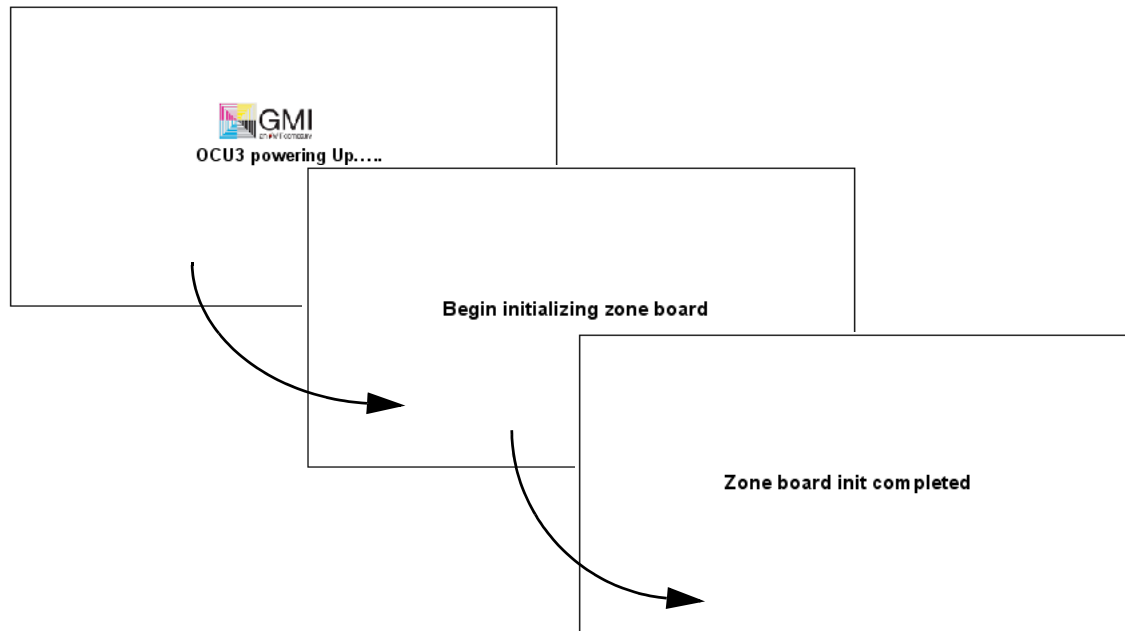
Located on back of OCU3 console. Adjust paper to line up with zones.

## 1.2 Turning OCU3 Console On and Off

### 1.2.1 Power On the OCU3 Console

Flip the **switch button** on the power cord to the **ON** position.

The following series of screens display on the OCU3 touchscreen.



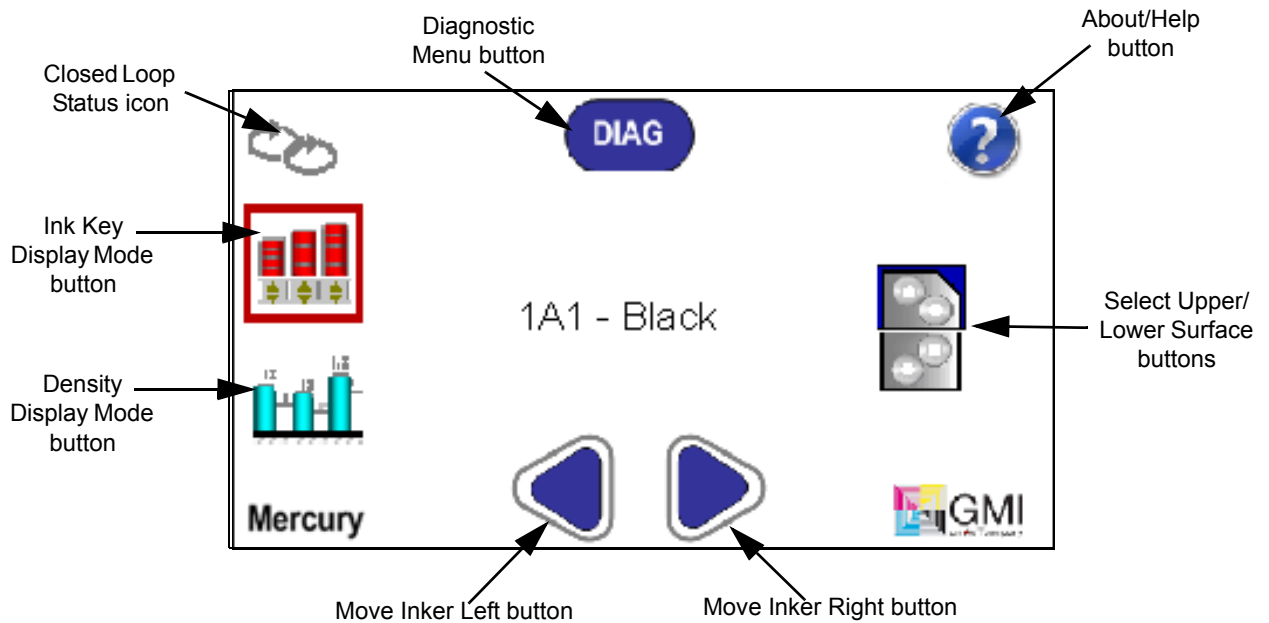
Once the system completes initialization, the OCU3 touchscreen displays on the Master Control Board.








### 1.2.2 Turn Off the OCU3 Console

Flip the **switch button** near the power cord to the **OFF** position.

### 1.3 OCU3 Touchscreen Buttons and Icons

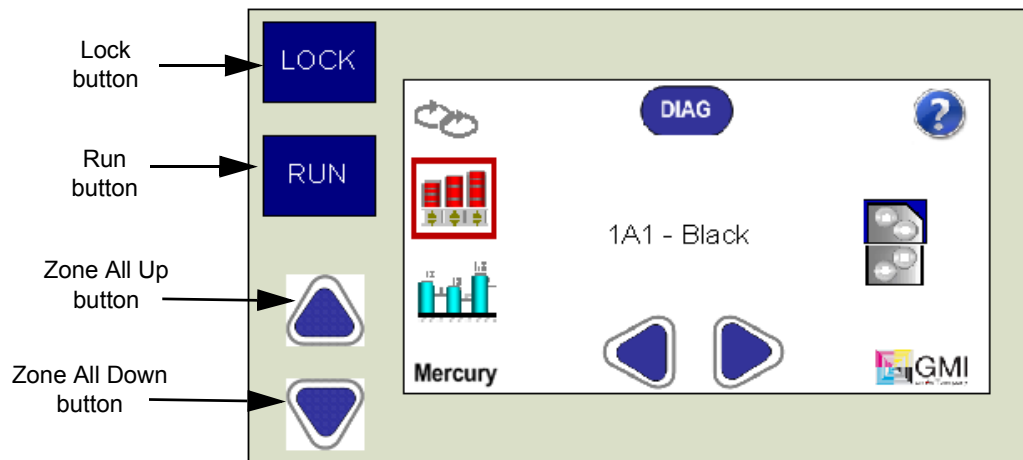
The OCU3 touchscreen has touch-sensitive buttons and status indicator/logo icons.






	Button to access <b>Diagnostic Menu</b> .
	Button to view <b>version information</b> .
	Buttons to select <b>Upper</b> or <b>Lower</b> surface. (Upper surface is selected here.)
	Buttons to move to <b>Previous Inker</b> or to <b>Next Inker</b> .
	Button to select <b>Density Display</b> mode for viewing and adjusting ink zone settings.
	Button to select <b>Ink Key Display</b> mode for viewing and adjusting ink zone settings.
	Icon indicates <b>Closed Loop</b> status.

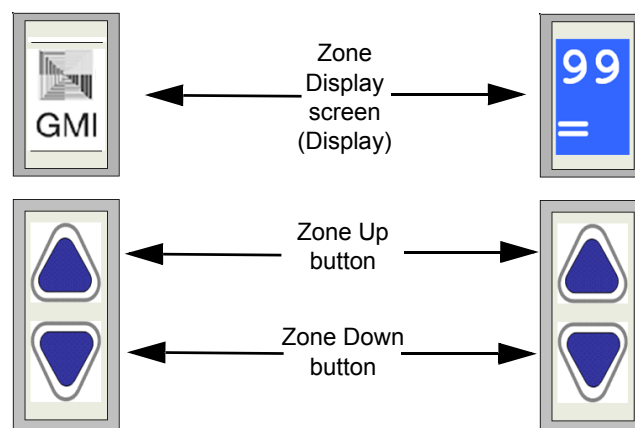
## 1.4 Other Navigation and Operation Buttons on OCU3 Console

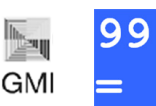

### 1.4.1 Master Control Board Buttons



	Touch <b>LOCK</b> button to lock OCU3 console. Touch button again to unlock console.
	Touch <b>RUN</b> button to set ink zone adjustments for selected ink.
	Touch <b>Zone All Up / Zone All Down</b> buttons to increase/decrease all ink zones at same time.

### 1.4.2 Ink Zone Display and Control Buttons



	GMI logo displays before system is initialized. Once initialized, displays either target density value or key % value and a servo status symbol.
	Touch <b>Zone Up / Zone Down</b> buttons to increase/decrease value for selected zone.

## 2 Status View - OCU3 Touchscreen

This section describes various display modes on the OCU3 touchscreen.

### 2.1 Status View Display

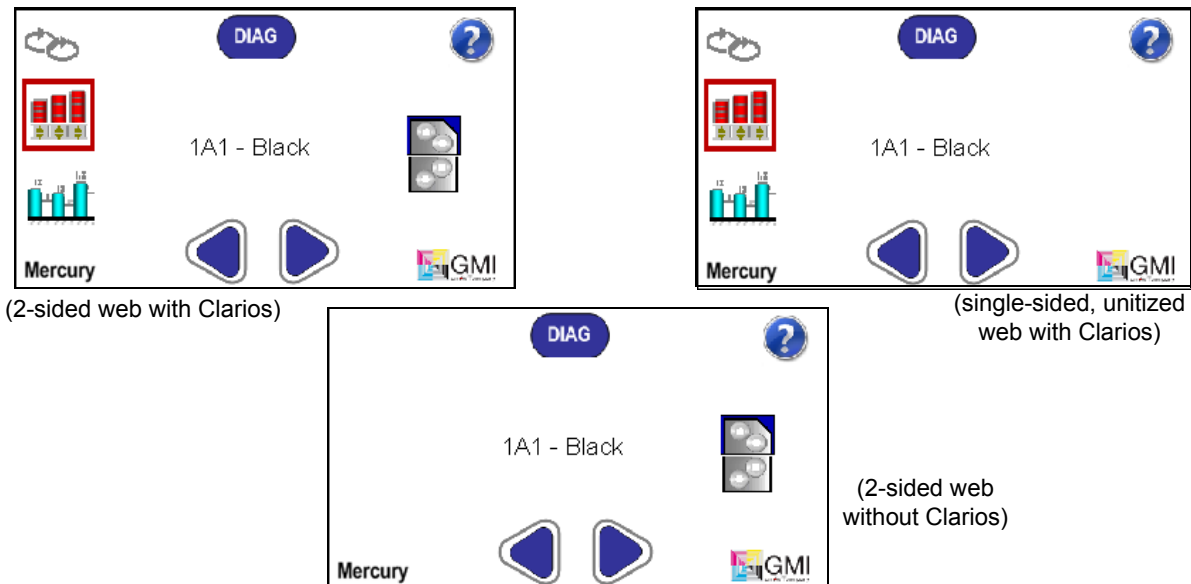
The status view display will indicate whether or not the OCU3 is connected to Mercury.

#### 2.1.1 OCU3 Not Connected to Mercury



See "System Configuration - Diagnostic Mode" on page 11 for detailed information on setting IP addresses.

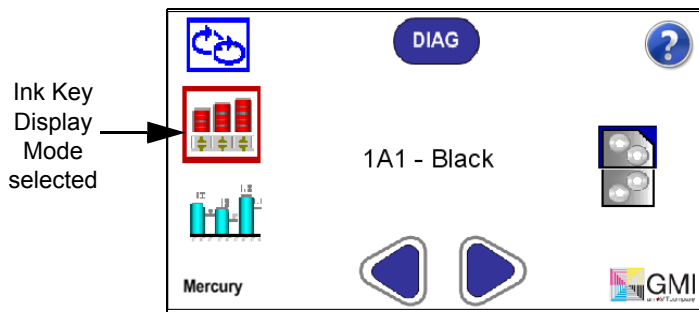
#### 2.1.2 OCU3 Connected to Mercury



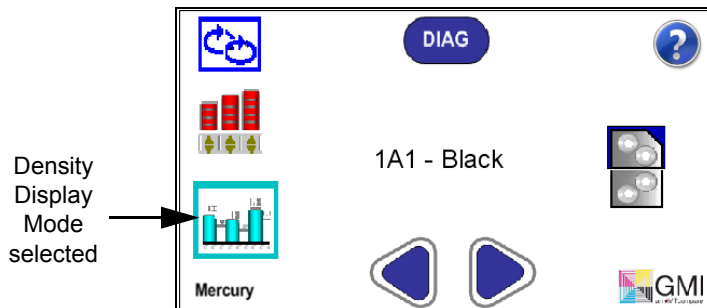
Depending on your configuration, one of these will display on your OCU3 touchscreen when you are connected to Mercury.

## 2.2 Display Modes on OCU3 Touchscreen

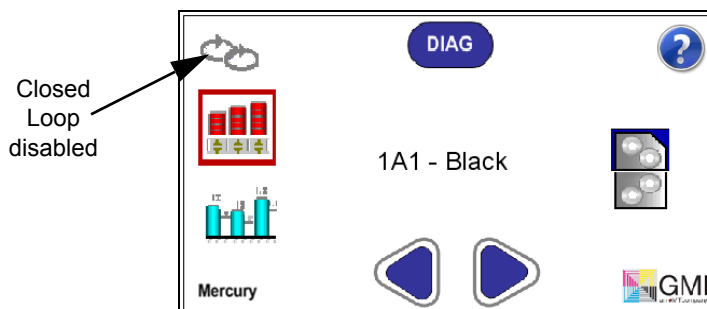
### 2.2.1 Ink Key Display Mode



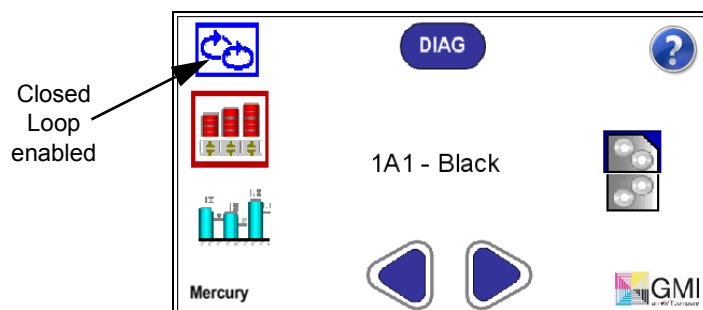
### 2.2.2 Density Display Mode



### 2.2.3 Mercury Configured and in Open Loop Mode



### 2.2.4 Mercury Configured and in Closed Loop Mode





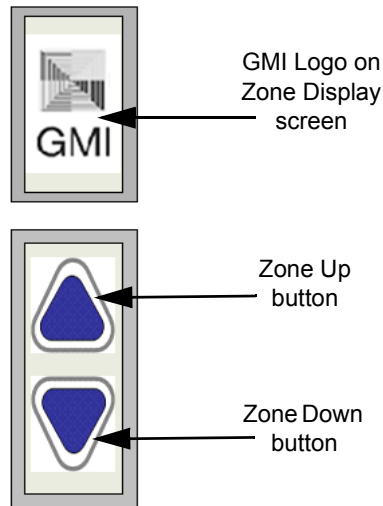
### 3 Status View - Zone Display Screen

This section describes various display modes on the zone display screens.

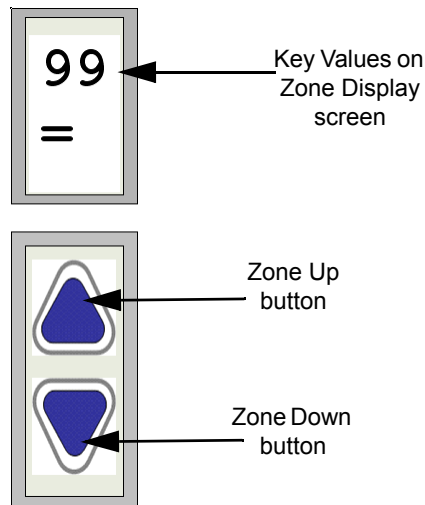
#### 3.1 Zone Status View Display

The status view display on the zone display screens will indicate whether or not OCU3 is connected to Mercury.

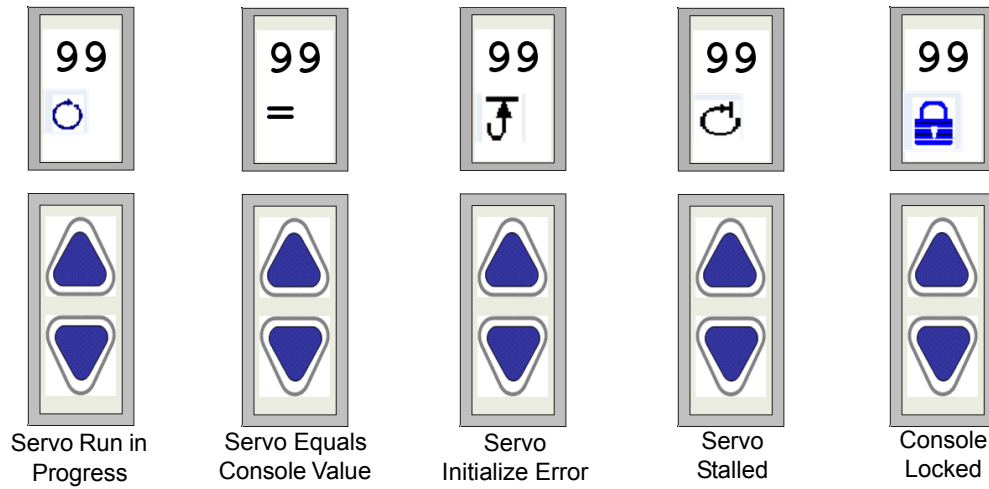
##### 3.1.1 OCU3 Not Connected to Mercury (Each Ink Zone)



##### 3.1.2 Connected to Mercury (Each Ink Zone)



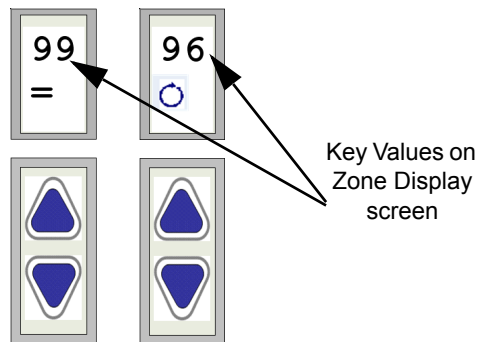
### 3.1.3 Zone Servo Status Symbols



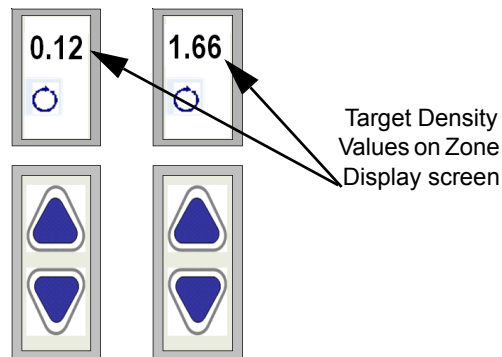
## 3.2 Display Modes on Zone Display

The zone display screen will display either target density values or ink key values depending on the selected display mode.

### 3.2.1 Zone Display - Ink Key Display Mode



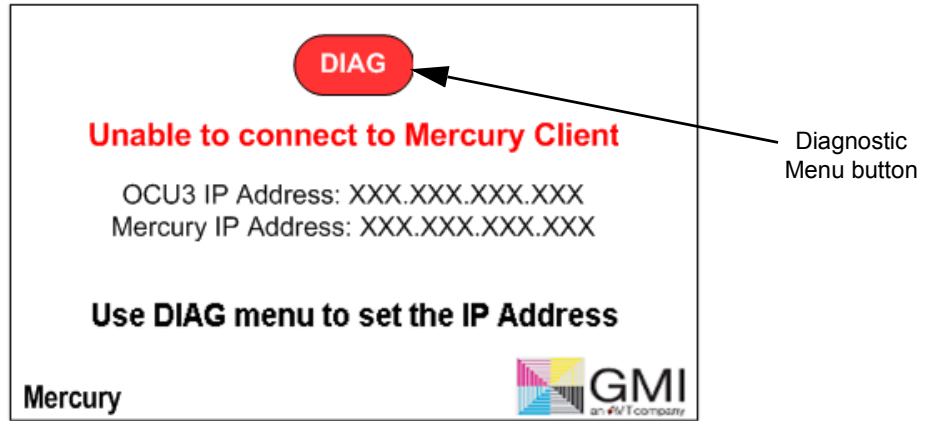
### 3.2.2 Zone Display -Target Density Display Mode



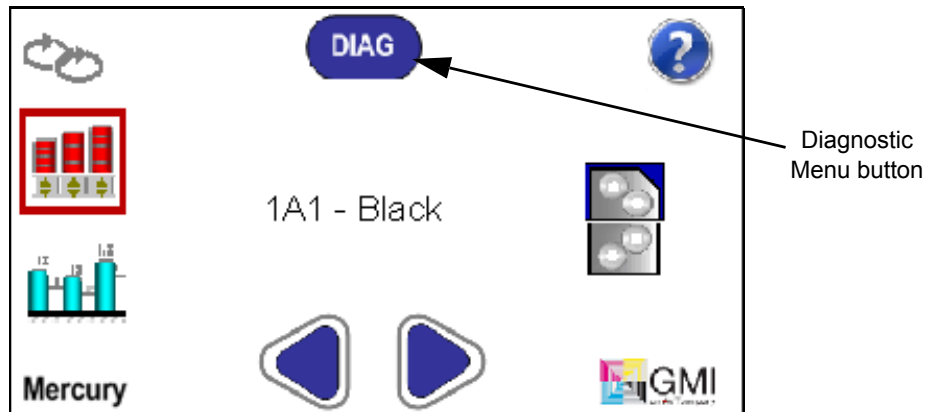
## 4 System Configuration - Diagnostic Mode

This section describes the diagnostic mode on the OCU3 console.

The following screen displays when TCP/IP communication needs to be established between OCU3 and Mercury.

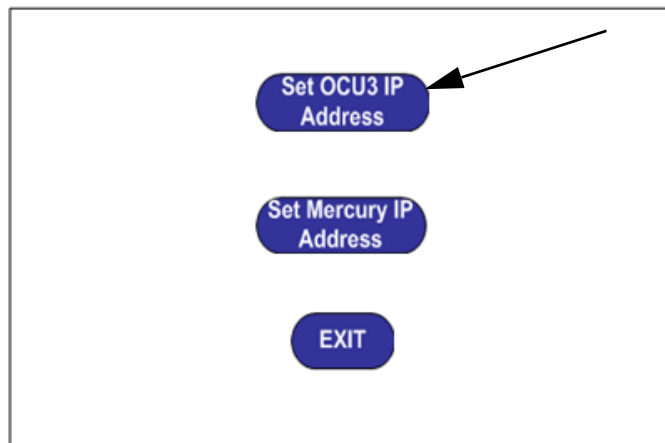


The following screen displays when TCP/IP communication is successfully established between OCU3 and Mercury.

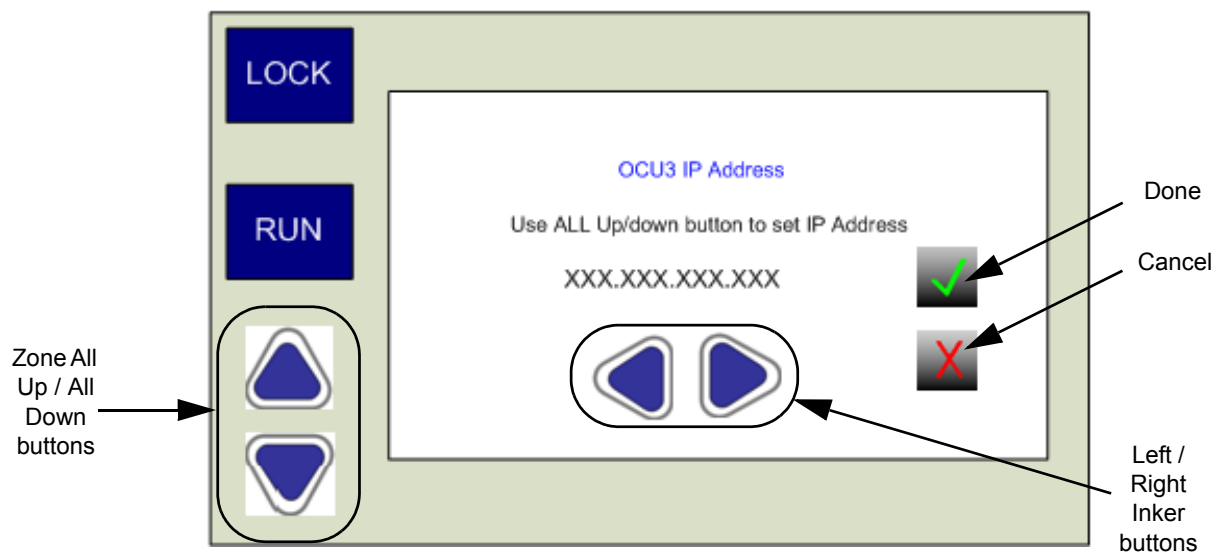








## 4.1 Configuring OCU3 IP Address

1. Touch the **DIAG** button on the OCU3 touchscreen.



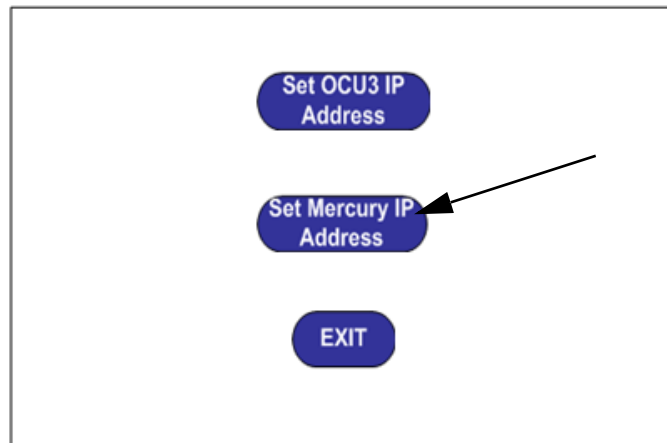
2. Touch **Set OCU3 IP Address**.



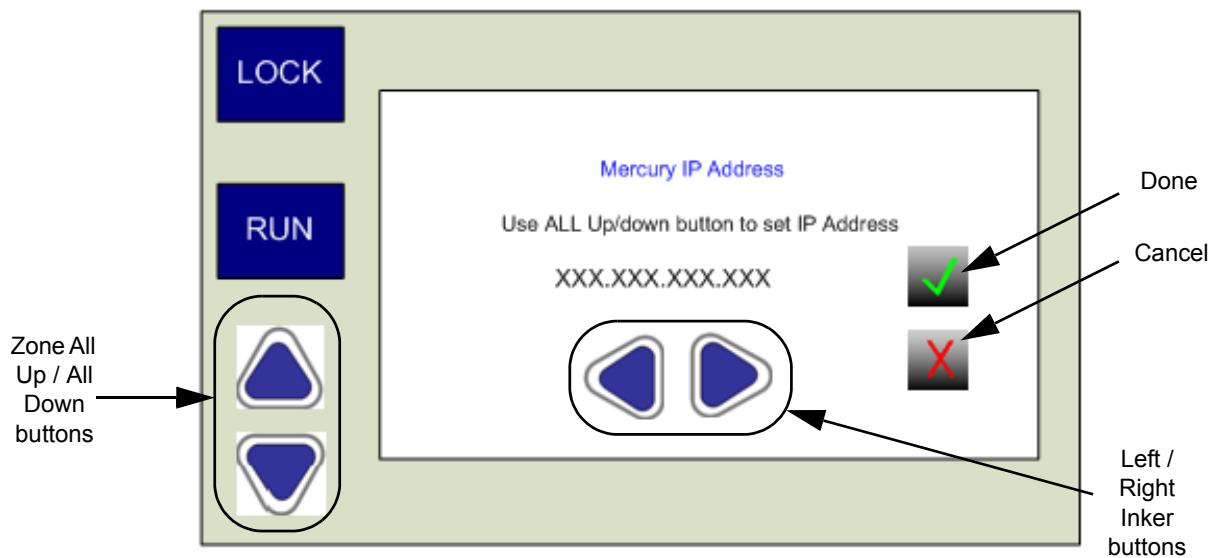
3. Use the   buttons to move through the areas of the IP address (XXX.XXX.XXX.XXX).
4. Use the   buttons to increase/decrease value by 1 or hold down buttons to increase/decrease value by 10. (Range is 0-255).
5. Touch  or .







## 4.2 Configuring Mercury IP Address

1. Touch the **DIAG** button on the OCU3 touchscreen.



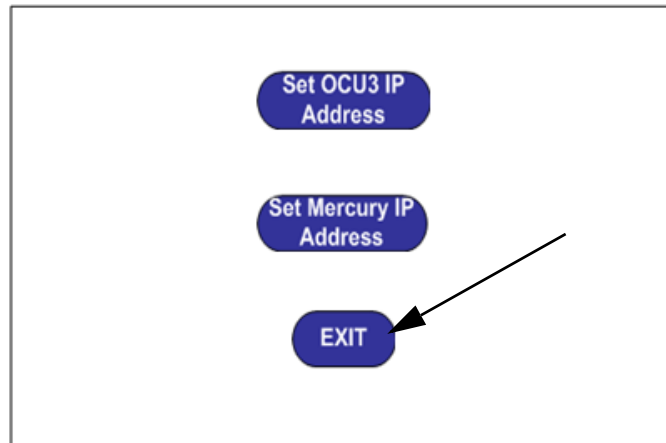
2. Touch **Set MC3 Client IP Address**.



3. Use the   buttons to move through the areas of the IP address (XXX.XXX.XXX.XXX).
4. Use the   buttons to increase/decrease value by 1 or hold down buttons to increase/decrease value by 10. (Range is 0-255).
5. Touch  or  .

### 4.3 Exiting Diagnostic Mode

Touch the **EXIT** button.



The system automatically validates that the IP addresses are set correctly and initializes the console.

### 4.4 Reviewing IP Address Guidelines

See the *Ethernet Install Guide - Windows Clients & Servers* (P/N 090S900075) for detailed information on IP address guidelines.

### 4.5 Servicing the OCU3 System

To service the OCU3 console unit, remove the front, upper screws on both sides and lift up the top of the console unit.

**Note:** GMI Customer Service will typically provide all service to the OCU3 system.

### 4.6 Performing Touch Calibration

See the *Mercury Service Manual* for detailed information on the touch calibration process.