## **SRCM Quick Start Operation Guide**

## **Operation**

The following is a brief summary of how to operate the SRCM using the touchscreen interface. The screen has two basic functions. The primary mode of operation displays the Home screen, which shows the end-user pressure values, messages, text, and other data intended for visual pressure verification in the facility. The second mode of operation is the Administrative Menu (Menu) screen, which permits setup, configuration, and changes to how the SRCM operates. After changes have been performed on the Menu screen, functions are saved and operation returns to the Home screen.

The full SRCM Operation Manual is available in .pdf format on Setra's website at http://www.setra.com/tra/pro/ins/SRCM Oper.pdf.



- 1. Condition Banner
- 2. Pressure Value
- 3. Room Label
- 4. Pressure Mode: Positive, Negative, Neutral (span) or Standby
- 5. Operation: Normal (green), Warning (yellow), Door (yellow), Alarm (red) 6. Slide bar and setpoint values



- 1. Change color and text of Condition Banner by pressing anywhere in the colored region.
- 2. Configure whether the user can change the test of the Condition Banner: Enabled or Disabled
- 3. Room Status: Occupied or Standby
- 4. Isolation Mode: Pressure mode configured for the unit: Positive, Negative or Neutral.
- (To change mode, refer to the Setup Alarm screen)
- 5. Save settings and exit

Setup Unit		Vivarium 485		
Prinary Roon	OnBoard Sensor	Change ->		
Secondary Room	None	Change ->		
ROOM Prinary () Secondary	Prinary - S Sensor Range	-FS +FS -0.25 +0.25		
Prinary Analog Out	Engineering Vr put	it <b>"VC</b> Change ->		
4-20 mAmps	Change ->	Roon Label Save & Exit Exit		

1. Primary Room Sensor: Onboard or External 2. Secondary Room Sensor: Onboard or External 3. Setup Selection: Primary or Secondary 4. Pressure Signal Output: 4-20mA, 0-5

5. Room Label: Primary or Secondary 6. Full Scale range of transducer: Primary or Secondary 7. Pressure value units of measure: WC or PA

5. Save settings and exit

Administrative Menu	Vivarium 485
Setup Unit Calibration	
Setup Systen Display Information	
Setup Alarn Set Point	
efault Screen Display Setting	
	Onus & Full

1. Setup Unit: Initial unit setup 2. Setup Display: Customizes the display 3. Setup Alarm: Setup how alarms are communicated to user 4. Slide ON/OFF: Defines whether pressure 7. Serial number and system info value and alarm setpoints are displayed on home screen

5. Calibration: used to re-zero or calibrate internal sensor. 6. Room label that settings apply to (global unless Secondary is shown) Alarm setpoint values 8. Save settings and exit

Setup Display			Vivarium 485			
General	Advanced	Condition Banner				
Adjust Cont	rast Level	3	Chan	ge ->		
Display Ave	raging	1		Secs		
What Press	ure To Display?	Primary	Only	Change ->		
Prinary Pre	ssure Resolutio	n 3		Change ->	Save & Fxit	
Supervisor	Password	Enable	Change	->		
Operator Pa	issword	Enable	Change	->	Exit	

1. Primary Pressure Resolution: The number of significant digits displayed for the pressure value. 2. Define Supervisor and Operator passwords. Enable or Disable use of passwords

3. Contrast level of Home screen: Adjust from 1-4 for readability in varying lighting conditions

- 4, Display Averaging: Select a value from 1-40
- 5. What Pressure To Display: Primary Only Secondary Only Toggle 6. Save settings and exit

	Low Linit	High Linit	
Positive	+0.01	+0.04	"WC
Neutral	-0.05	+0.05	"WC
Negative	-0.05	-0.01	"WC

Primary Room or Secondary: Screen is used to define the alarm setpoints. When the room is then set to Positive, Neutral, or Negative, the setpoints and conditins configured here are in effect for alamr and warning conditions.

Setu	p Alarm		Vivarium 485		
Latch Alarn	Disabled	Change ->	Room		
Alarn Delay	2	Secs	Primary Secondary		
Audible Alarm	Disabled	Change ->	Desilia		
Mute Time Out	10	Secs	Neutral		
Digital Input	Disabled	Change ->	Negative (		
Deadband	5	%		0	
Buzzer Volume	4 Change	->	Save & Exit	Exit	

1. Latch Alarm: Causes the display of red ALARM on home screen to remain, even if room pressurization returns to normal.

2. Alarm Delay: Time between when the pressure went outside alarm setpoints and when the unit goes into alarm mode.

3. Primary or Secondary Room: Defines which room the Setup alarm condition applies to. Primary or Secondary: Whether room pressure will

be Positive, Neutral, or Negative 4. Audible Alarm: Enables or disables audible buzzer. 9. Save settings and exit 5. Mute Time Out: Set the time (in seconds) that the

alarm will remain silent after pressing the Silence button before the audible alarm resumes. 6. Digital Input (DI) Used for monitoring door status, open or closed.

7. Deadband: Adjustable from 0 to 10% and represents the region within the setpoint range where yellow Warning is displayed on the Home Screen to indicate the pressure is near ALARM limits.

8. Buzzer Volume: Can be adjusted from 1 to four

and

Set	Setup Display			Vivarium 485		
General	Advanced	Condition Banner	1			
Alarn Blink	Ena	bled	Change ->			
Normal Blink	Disa	bled	Change ->			
Warning Blink	Disa	bled	Change ->			
Blink in Red	Ena	bled	Change ->		Save & Exit	
Blink in Green	Disa	bled	Change ->			
Blink in Yellov	Disa	bled	Change ->		Exit	

1. Alarm Blink: Defines the behavior of the Red alarm on home screen. Normal Blink is used for the green Normal indicator.

2. Warning Blink: Applies to the yellow WARNING or DOOR indicator. 3. Blink in Red/Green/Yellow: Applies to Condition Banner messages icon on the left one-third of the Home Screen 4. Save Setting and exit