

## BAYSENS119 IOM Supplement

### Cancel Temporary Override

1. To cancel temporary override press the "up arrow" or "down arrow" twice or until hours appear.
2. Press the "center square" to select time and then press the "down arrow" until time is set to 0:00, then press and hold the "center square".

### Change Fan Mode

1. Press the "center square" once if backlight is on or twice if backlight is off.
  2. Press the "down arrow" once, then either "side arrow" to toggle fan mode, then press the "center square".
- Note: If option 10 is set to 1 you can only change fan mode by entering timed override.*

### Filter Timer Reset

To reset the Filter Timer, press both "up arrow" and "down arrow" simultaneously for 2 seconds.

### Display Setpoint

To display the setpoint, press both "up arrow" and "down arrow" simultaneously for 2 seconds. The 119 will display the setpoint of what mode it is in (heat or cool) ~ the setpoint it is currently controlling to if in Auto Changeover ~  
The 119 is in "display setpoint" when there is an arrow pointing to the temperature.

### Scheduling

You can only do 10 minute intervals.

If you modify a previously set schedule the "morning, day, evening, night" icon will not go backwards. *For example if you have a schedule where "evening" starts at 15:00 and the current time is 15:15 (the "evening" icon is displayed) and you modify the schedule so "day" starts at 15:30, the 119 will not go backwards and display the "day" icon when the time reaches 15:30.*

If you create a schedule, when you exit scheduling the 119 will display the correct icon (morning, day, evening, night) upon exiting.

You can erase scheduling by modifying Option 9.

### Remote Sensor

Terminals S1 and S2 measure 3.3 vdc open.

If the resistance is above 33 k, **32** flashes on the display.

If the resistance is above 80k, **OP** is displayed and **Off** flashes.

If the resistance is below 6k, **99** flashes on the display.

If the resistance is below 1k, for some reason the 119 will enter Temporary Override on its own.

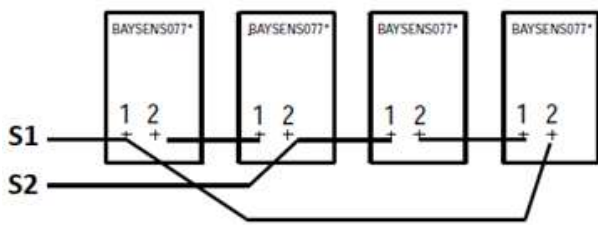
*Below is a temperature / voltage chart.*

Note: Voltages are approximations obtained by using a decade box.

BAYSENS119 Temperature / Voltage Chart								
Temp F	Temp C	DC Volts	Temp F	Temp C	DC Volts	Temp F	Temp C	DC Volts
32	0.0	2.52	54	12.2	2.12	76	24.4	1.67
34	1.1	2.5	56	13.3	2.08	78	25.6	1.63
36	2.2	2.48	58	14.4	2.04	80	26.7	1.59
38	3.3	2.42	60	15.6	2	82	27.8	1.55
40	4.4	2.395	62	16.7	1.96	84	28.9	1.51
42	5.6	2.359	64	17.8	1.92	86	30.0	1.47
44	6.7	2.32	66	18.9	1.877	88	31.1	1.43
46	7.8	2.28	68	20.0	1.83	90	32.2	1.4
48	8.9	2.24	70	21.1	1.8	92	33.3	1.36
50	10.0	2.2	72	22.2	1.76	94	34.4	1.32
52	11.1	2.17	74	23.3	1.713	96	35.6	1.288

**Zone Sensor Averaging**

In some applications 1 remote sensor does not give a good representation of the zone temperature. The quantity must be a "squared" number that allows them to be wired in series-parallel configuration. The resistance of the averaging circuit must duplicate the resistance of a single sensor. The quantities in the averaging circuit will be 4, 9, 16 or etc. The fewest number of sensors required to accomplish space temperature averaging is four. A programmable sensor can not be used as one of the averaging sensors. Remote sensor wiring must be twisted / shielded, connect the shield to terminal 11. Space temperature averaging is accomplished by wiring the correct number of sensors as shown below.



~OR~

