Technical Bulletin

Control: SGL-0600
Application: Modulating Outputs and Furnaces
Version: SGL-0600 1.02 ≥ and THM-0600 1.42 ≥

With the latest addition in firmware the SGL-0600 will be able to control a modulating 0-10Vdc output. This will operate to control furnaces that require fan modulation with voltage inputs from 0-10Vdc.

The following steps and notes will detail the steps and sequence for this setup.

- Under Special Functions select Fancoil Setup
- Under Fancoil Setup the following list will appear
  - **Fan Speed W**
  - **Fan Speed W2**
  - **Fan Speed Y1**
  - **Fan Speed Y2**
  - **Fan Speed G**
- Next to each of these will be a percentage that can be set as 10% - 100% (1-10Vdc). This will be the percentage that will output when that contact is closed. If multiple outputs are closed at the same time then the highest percentage will be selected for the MOD Output. When no outputs are closed the MOD Output will be at 0%.

The MOD Output does not ramp up the percentage but will stay at the selected voltage. For example if it is calling for 10% because the W1 output is closed then it will stay at 10% unless another output with a higher percentage comes on.

Special Functions ATHM-0012	
Stat Type	Heat Only
THM Mode	Air
Aux Sensor	None
Room Offset	0°
Fancoil Setup	>
Room Name Setup	>
Default Setup	>

Fancoil Setup	
Stage 1 Fan	OFF
Fan ON Demand	ON
Stage Delay	1 mins
Out Switch Temp	-2°
Stage 1 Off	OFF
Fan Speed W	10%
Fan Speed W2	25%

Fancoil Setup	
Out Switch Temp	-2°
Stage 1 Off	OFF
Fan Speed W	10%
Fan Speed W2	25%
Fan Speed Y1	30%
Fan Speed Y2	15%
Fan Speed G	60%

Comfort Control Innovation

Fancoil

| R | W | Y | G | C |

C
X
Humidity Device

THM-0600   Thermostat

1	2	3	4	5	6
1	1	2	2	3	TH
				3	3

W1

Y2

THM
Input

2	1	TH
		6
		5

Zone Control

Class 2 Circuits   Class 2 Circuits

Outputs

1	2 W1	1
2	W2	2
3	G	3
4	D	4
5	X	5
6	Y1	6
7	Y2	7
8	RC	8

MOD
Output
0-10Vdc

| 4 | MOD | + |
| 3 | | - |

Modulation Output

Demand
Outputs

1A

| 6 | 5 DEM 1 | 1 |
| | | 2 |

Enable

1A

| 8 | 7 DEM 2 | 3 |
| | | 4 |

Enable

| C | R |
| 10 | 9 |

24V AC

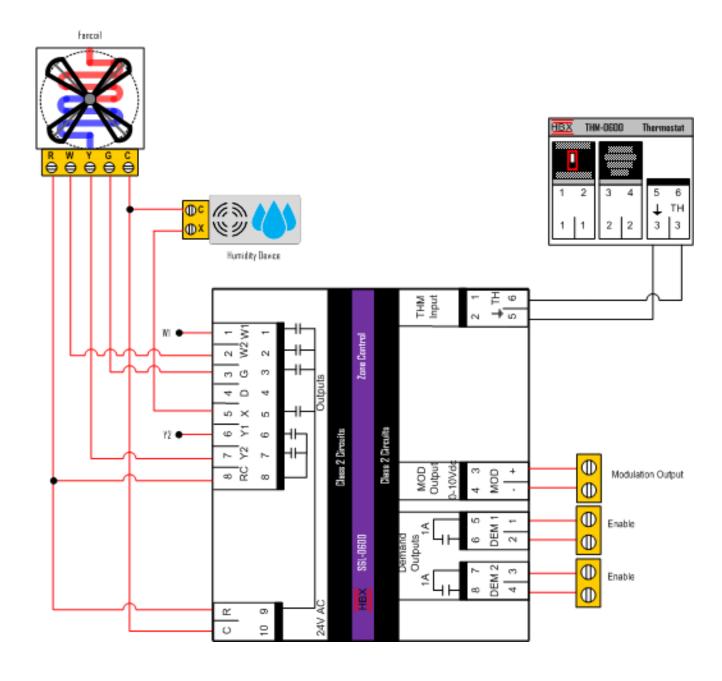HBX   SSL-0600

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