



## Technical Bulletin

**Control: SGL-0600**

**Application: Heat Pump Compressor**

**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 heat pump compressor. The setup for this will involve wiring the compressor to the D terminal on the SGL-0600. The D terminal will close whenever Y1 or W1 close.

The reversing valve will be wired depending on its operation. If the reversing valve needs to close for cooling wire it to Y1 and if it needs to close for heating then wire it to W1. Refer to the wiring diagram for possible wiring showing the reversing valve wired to either Y1 or W1. Depending on the wiring at the heat pump there may need to be a relay added between the D terminal at the SGL-0600 and the compressor. The D terminal will output 24Vac when called. This applies to the other contacts on the SGL-0600 as well. Depending on the heat pump the wiring require different wiring than the sample drawings shown here.

The Outdoor temperature can be pulled either from a wired in sensor as shown in the diagrams or from the Sensorlinx App once the SGL-0600 is put on Wi-Fi.

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

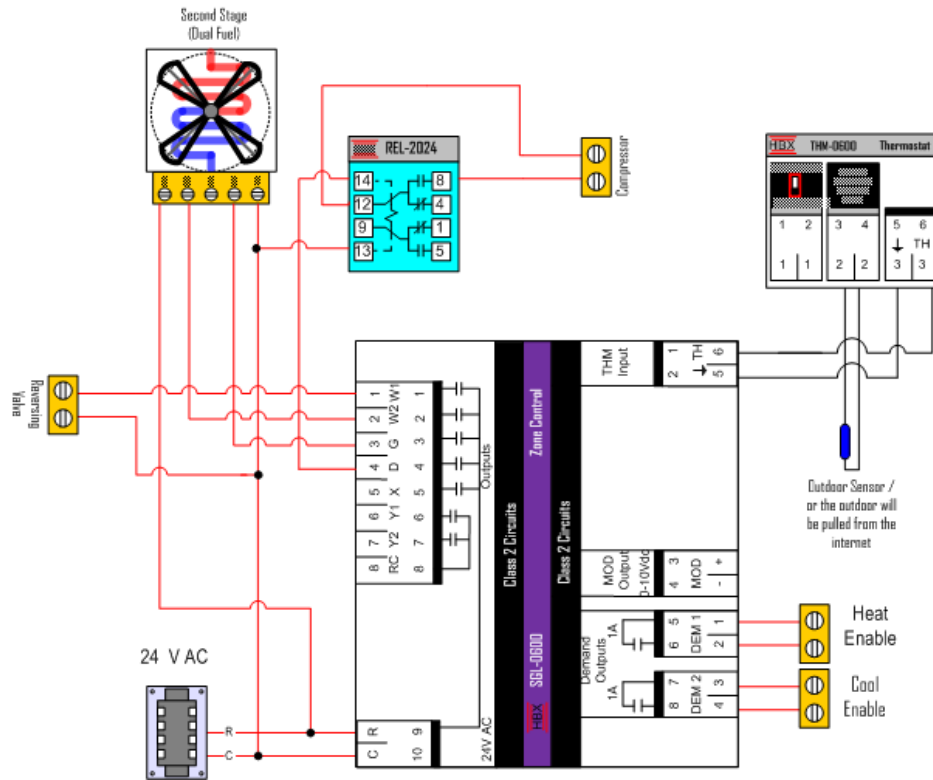
| Fancoil Setup   |        |
|-----------------|--------|
| Stage 1 Fan     | OFF    |
| Fan ON Demand   | ON     |
| Stage Delay     | 1 mins |
| Out Switch Temp | -2°    |
| Stage 1 Off     | OFF    |
| Fan Speed W     | 10%    |
| Fan Speed W2    | 25%    |

| 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% |

### Contact Information

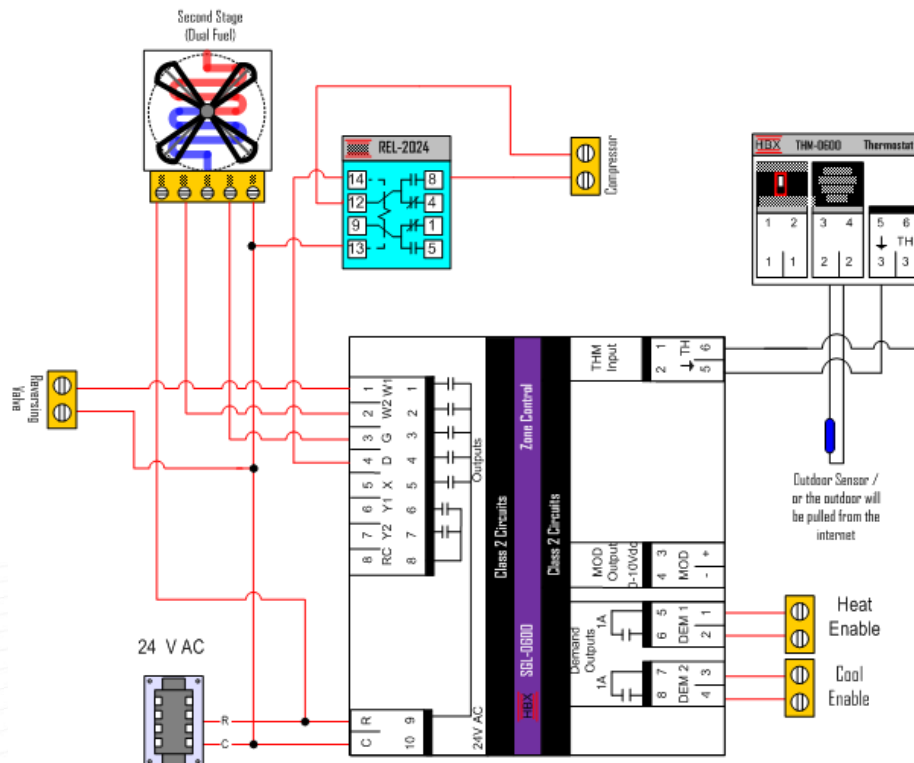
4516-112th Avenue SE  
Calgary, Alberta T2C 2K2  
CANADA

Phone: +1 (403) 720 0029  
Fax: +1 (403) 720 0054  
Email: info@hbxcontrols.com



The relay for the compressor may not be required depending on the heat pump configuration.

This drawing shows a 2 heat with cool setup.



Depending on the heat pump configuration this wiring to the compressor and reversing valve may vary.

This drawing shows a 2 heat with 2 cool setup.

**Contact Information**

4516-112th Avenue SE  
 Calgary, Alberta T2C 2K2  
 CANADA

Phone: +1(403) 720 0029  
 Fax: +1 (403) 720 0054  
 Email: info@hbxccontrols.com