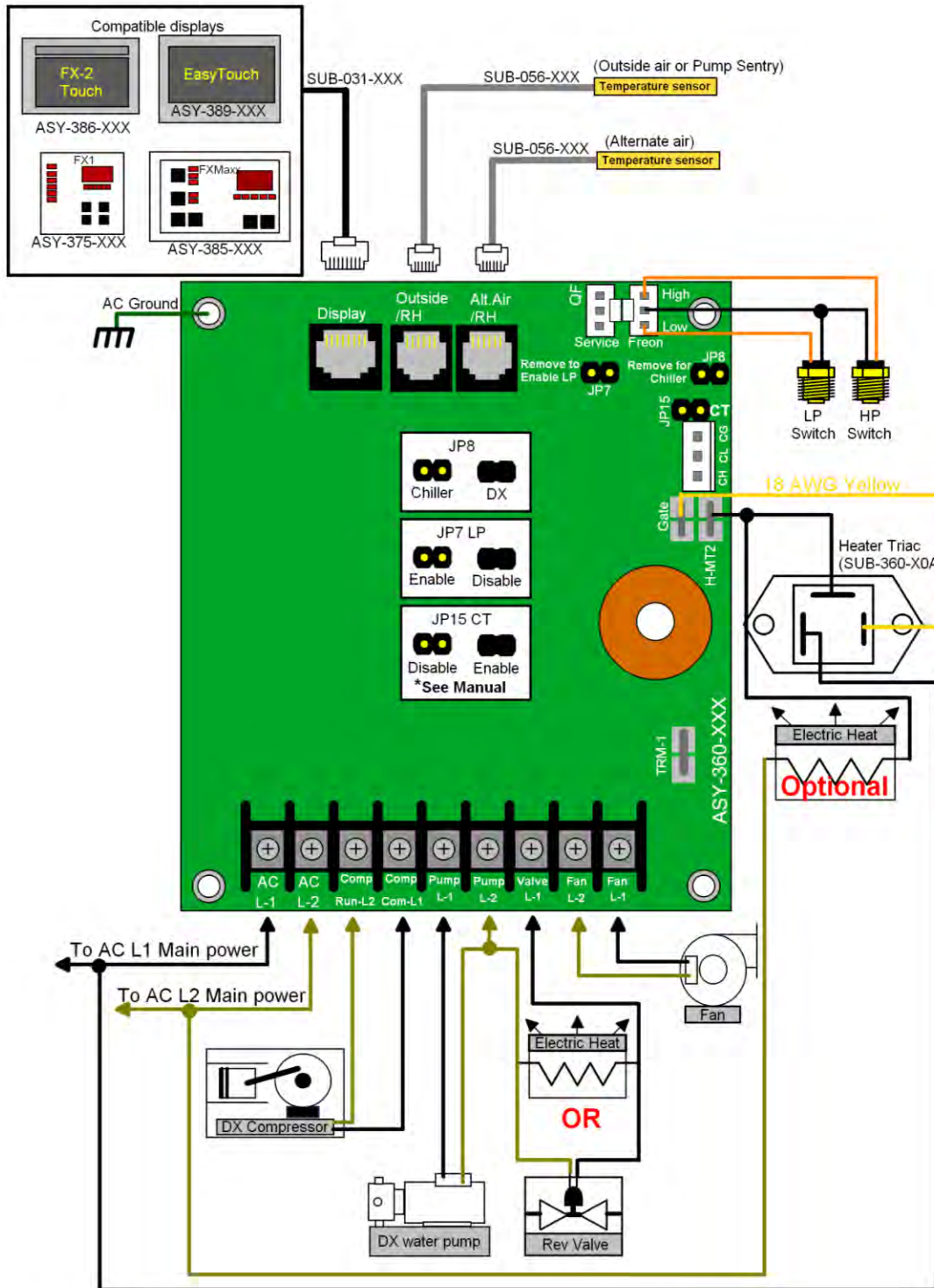
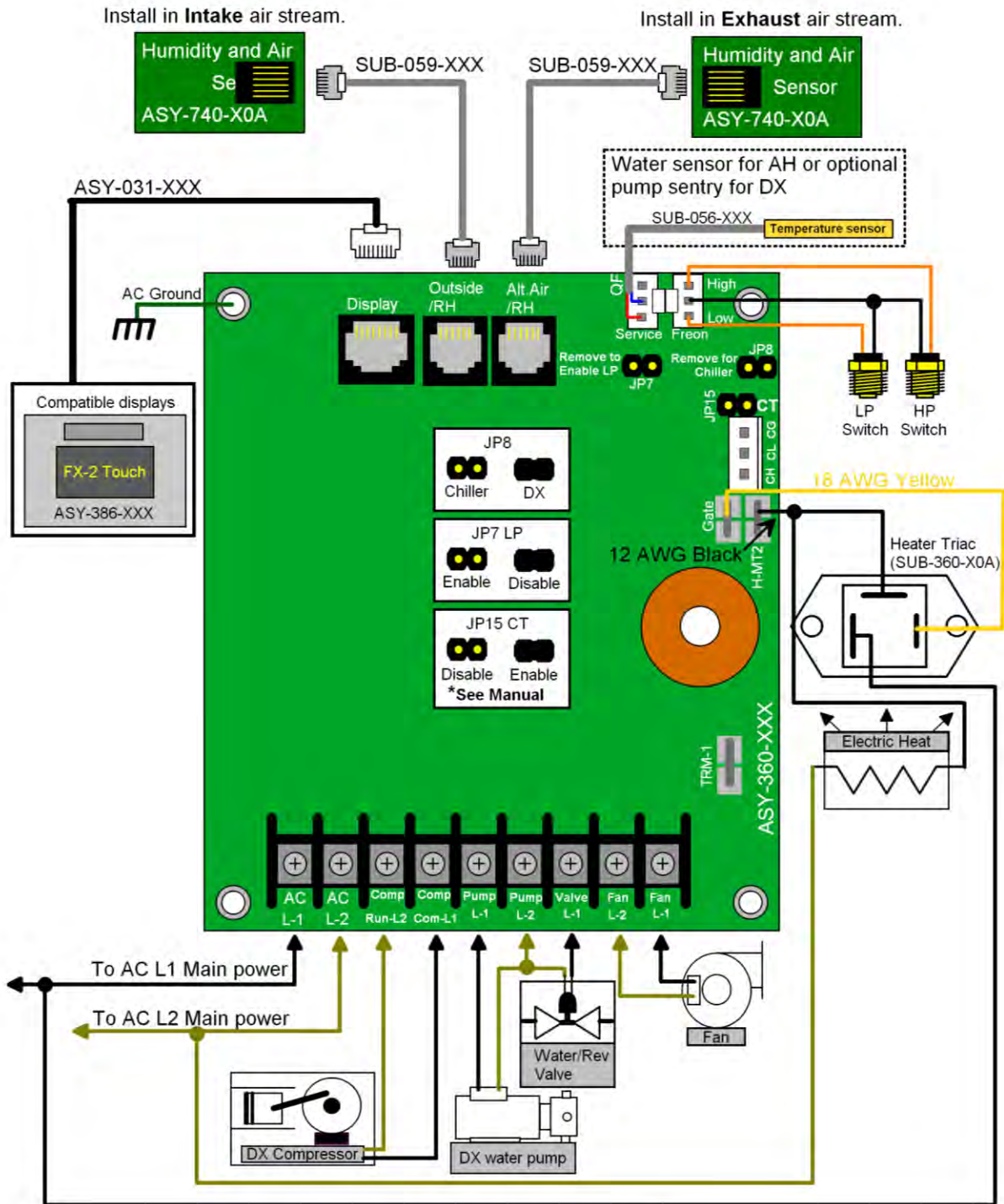


Direct Expansion (DX) Wiring: Rev K PCB



Micro Air Corp.	
DX Wiring: Rev K PCB	
September 28, 2015	Rev 2.07
Drawn By: Roger Krinic	
ASY-360-00J	

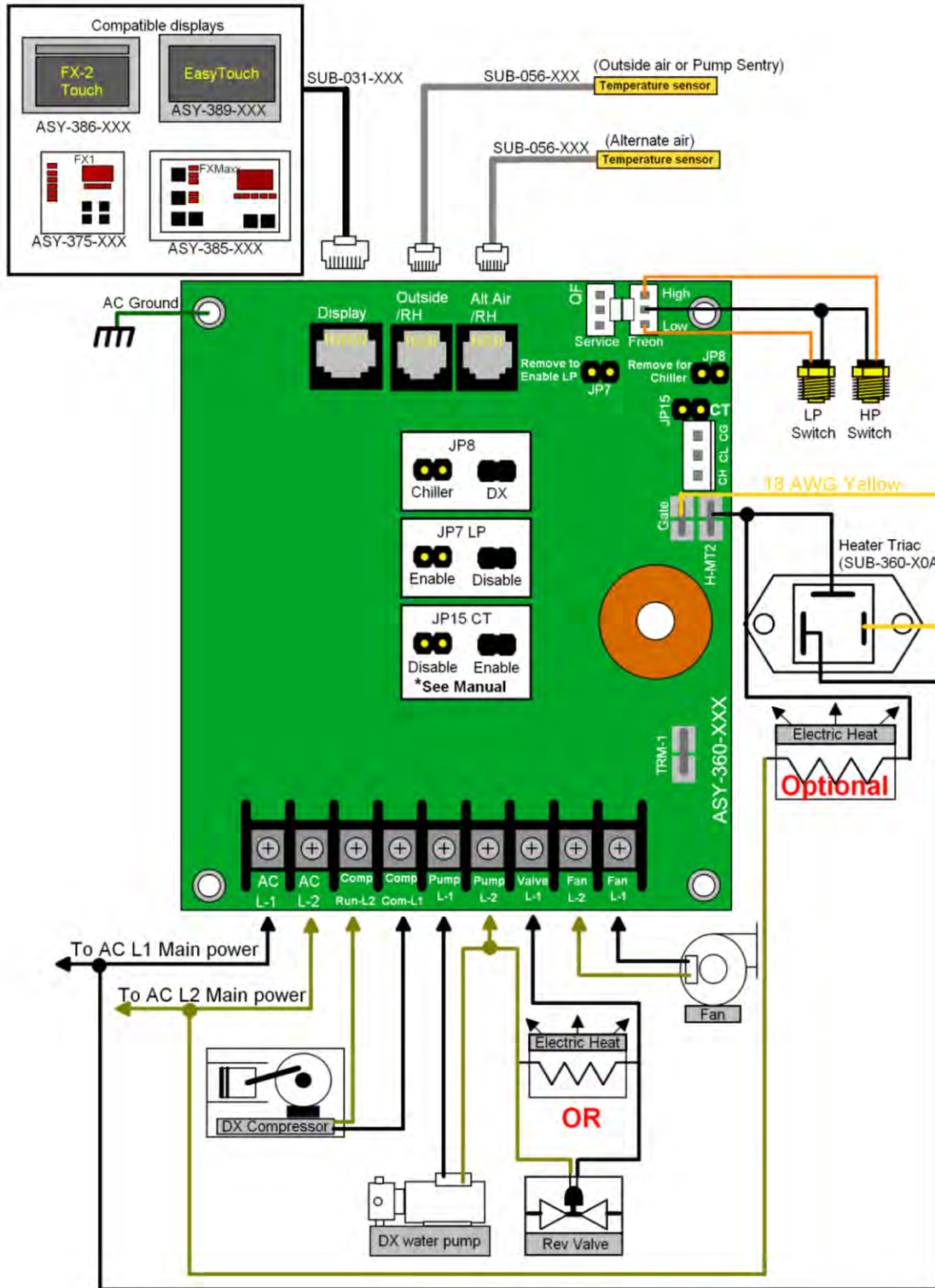
Fresh Air Makeup Unit (FAMU) Wiring: Rev K PCB



[No pump, compressor or pressure switch connections with chiller operation.] [DX must use 386 D31 or higher]

Micro Air Corp.	
FAMU Wiring: Rev K PCB	
September 28, 2015	Rev 2.07
Drawn By: Roger Krinic	
ASY-360-00J	

EasyStart Wiring: Rev K PCB

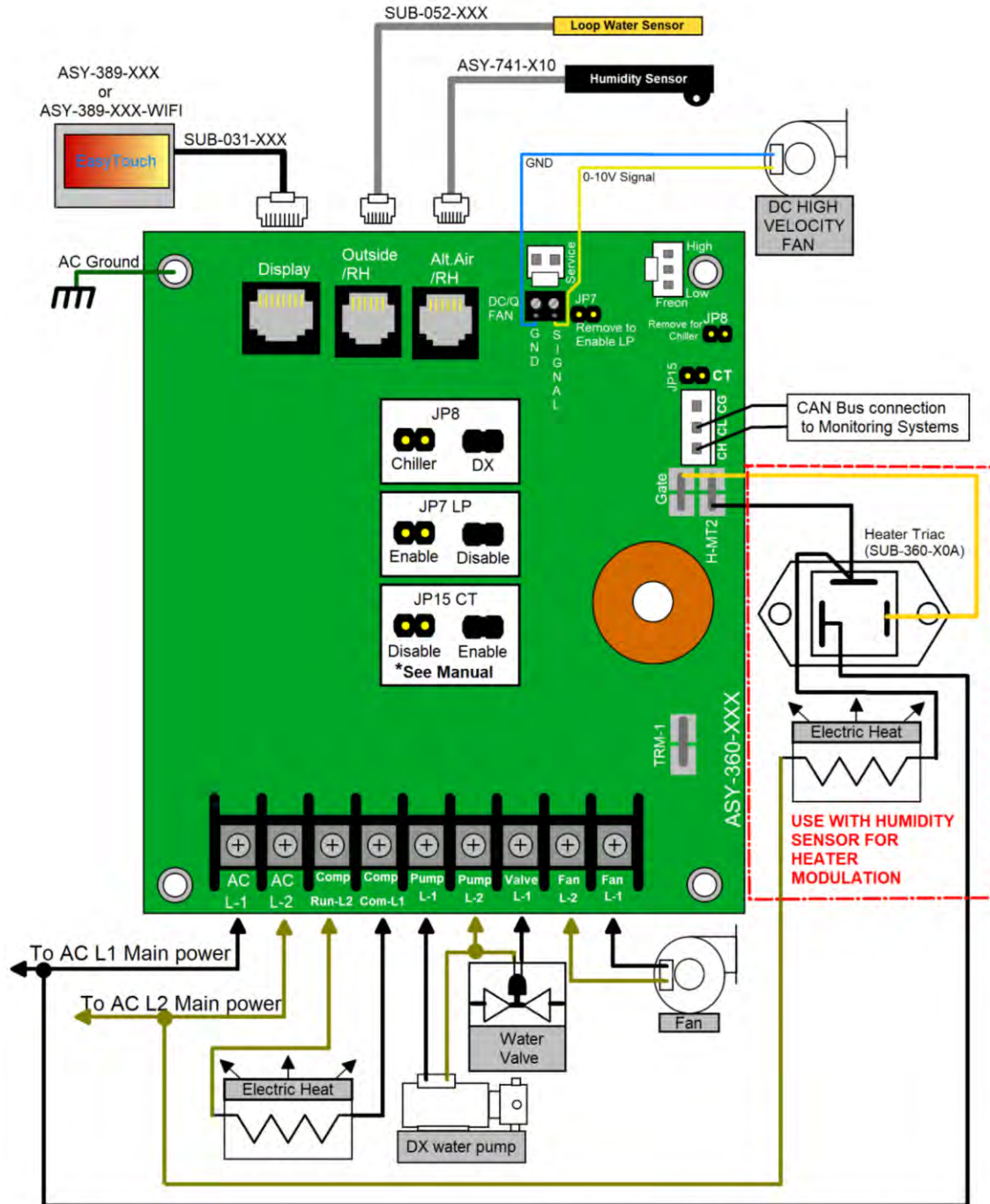


Micro Air Corp.	
DX Wiring: Rev K PCB	
September 28, 2015	Rev 2.07
Drawn By: Roger Krinic	
ASY-360-00K	

Rev L and M PCB

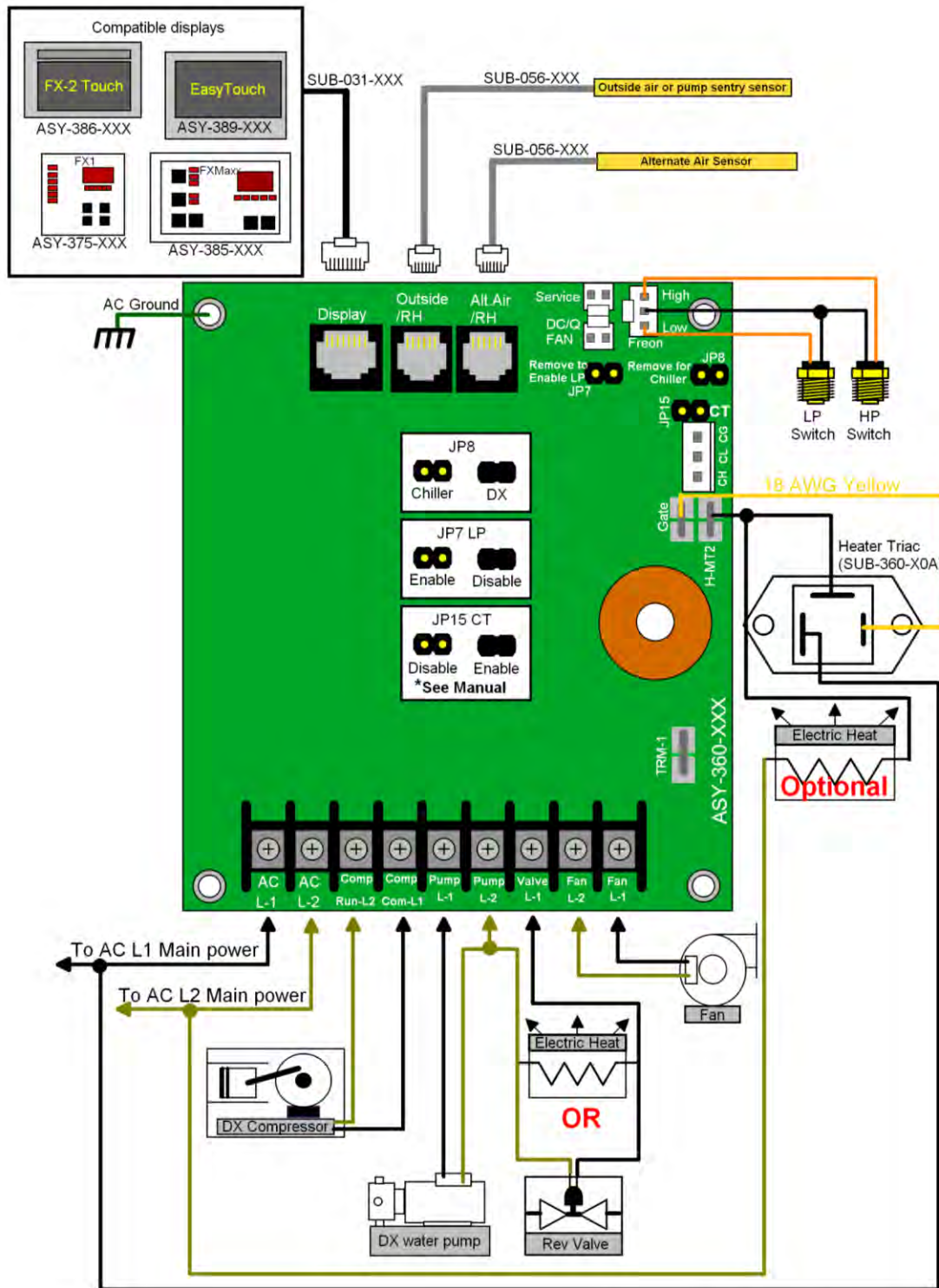
Air Handler (AH) Wiring: Rev L and M PCB

(Rev M shown. Rev L has different style DC fan jack.)



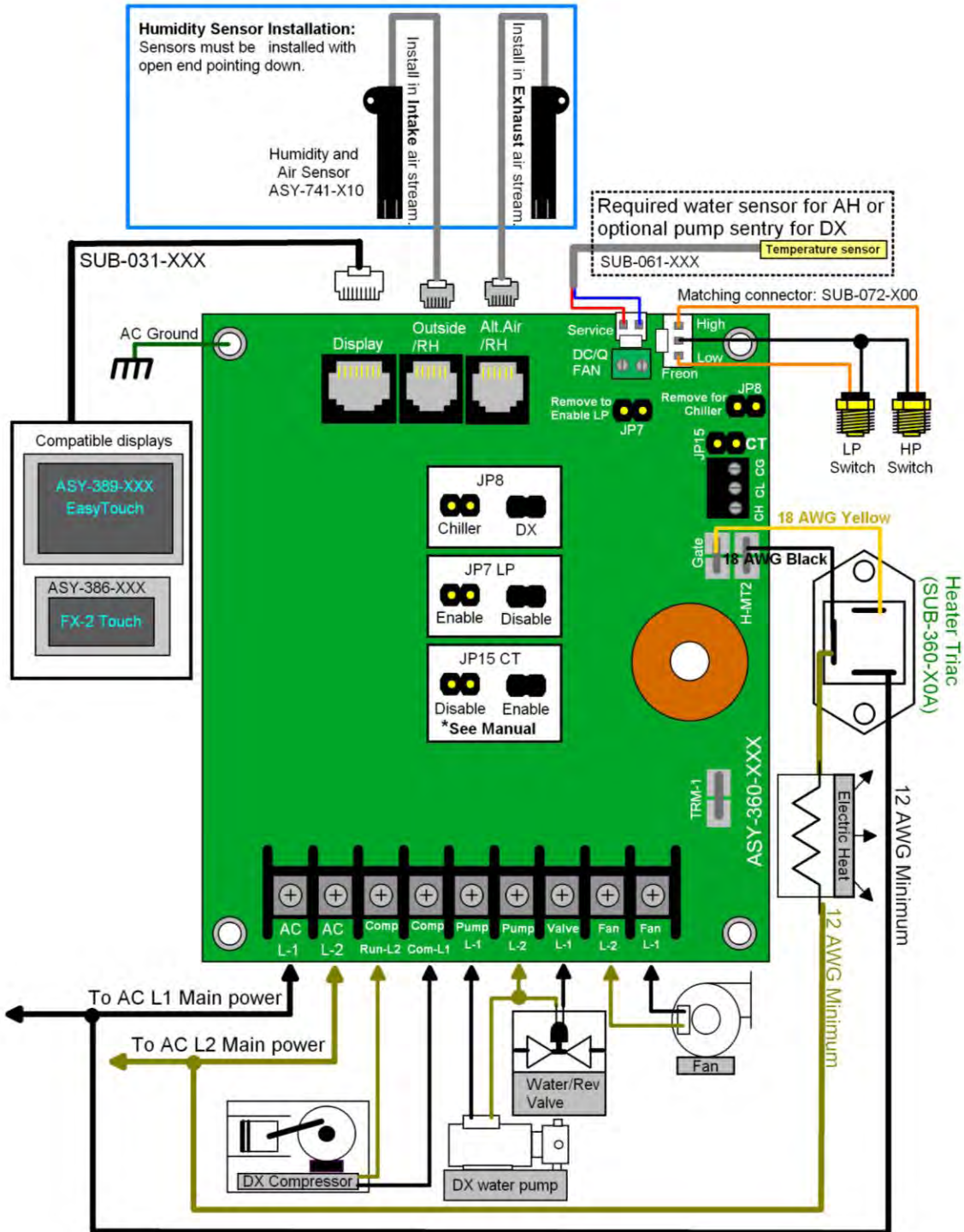
Micro Air Corp.	
AH Wiring Rev L and M PCB	
January 4, 2019	Rev 3.10
Drawn By: Roger Krinic	
ASY-360-00M	

Direct Expansion (DX) Wiring: Rev L and M PCB
 (Rev L shown. Rev M has different style DC fan jack.)



Micro Air Corp.	
DX Wiring: Rev L PCB	
September 28, 2015	Rev 3.07
Drawn By: Roger Krinic	
ASY-360-00L	

Fresh Air Makeup Unit (FAMU) Wiring: Rev L and M PCB (Rev M shown. Rev L has different style DC jack.)

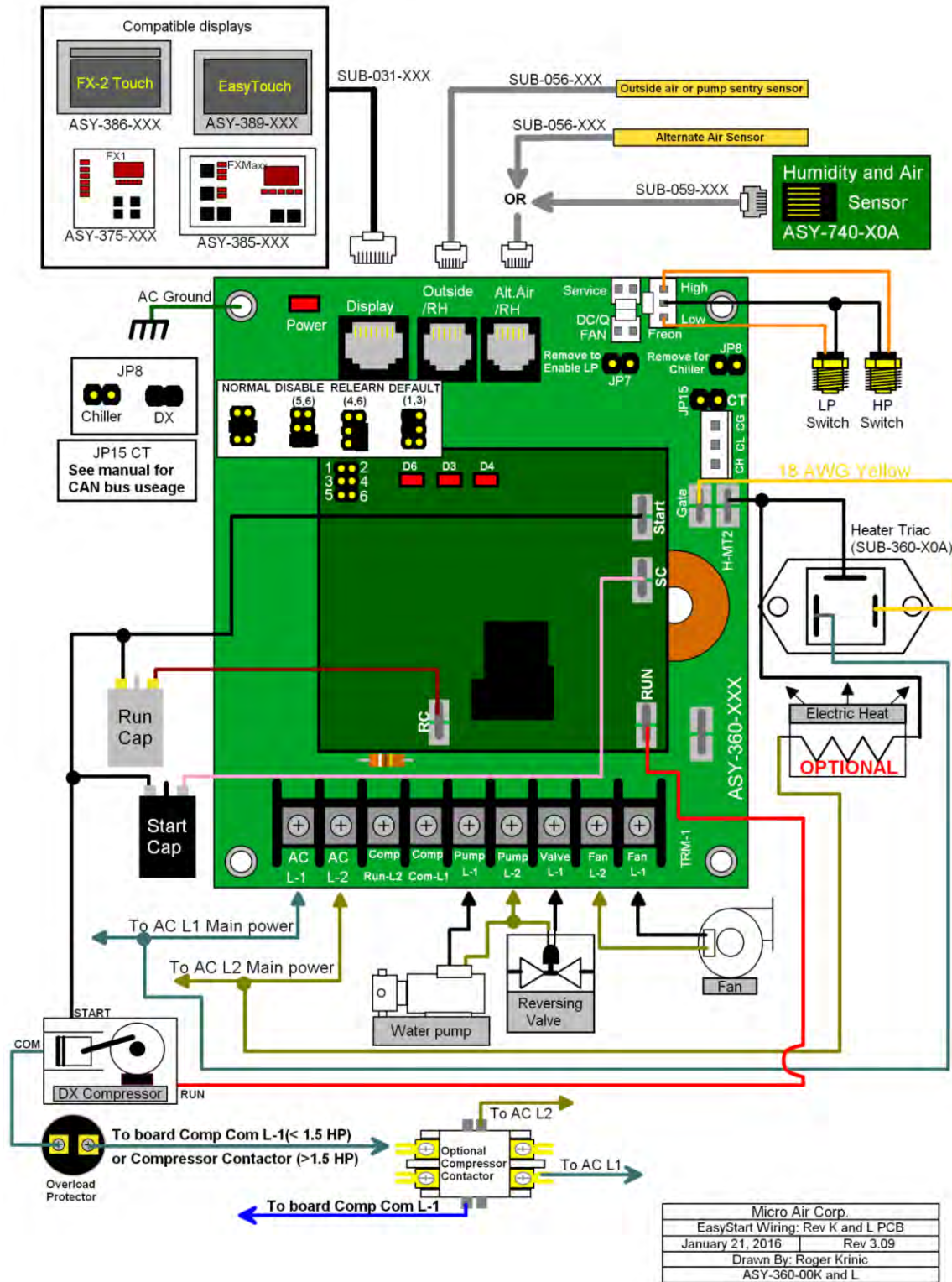


[Pump, compressor and pressure switch connections shown are not used with Air Handler operation.]
[DX systems must use 386-D31 firmware or higher]

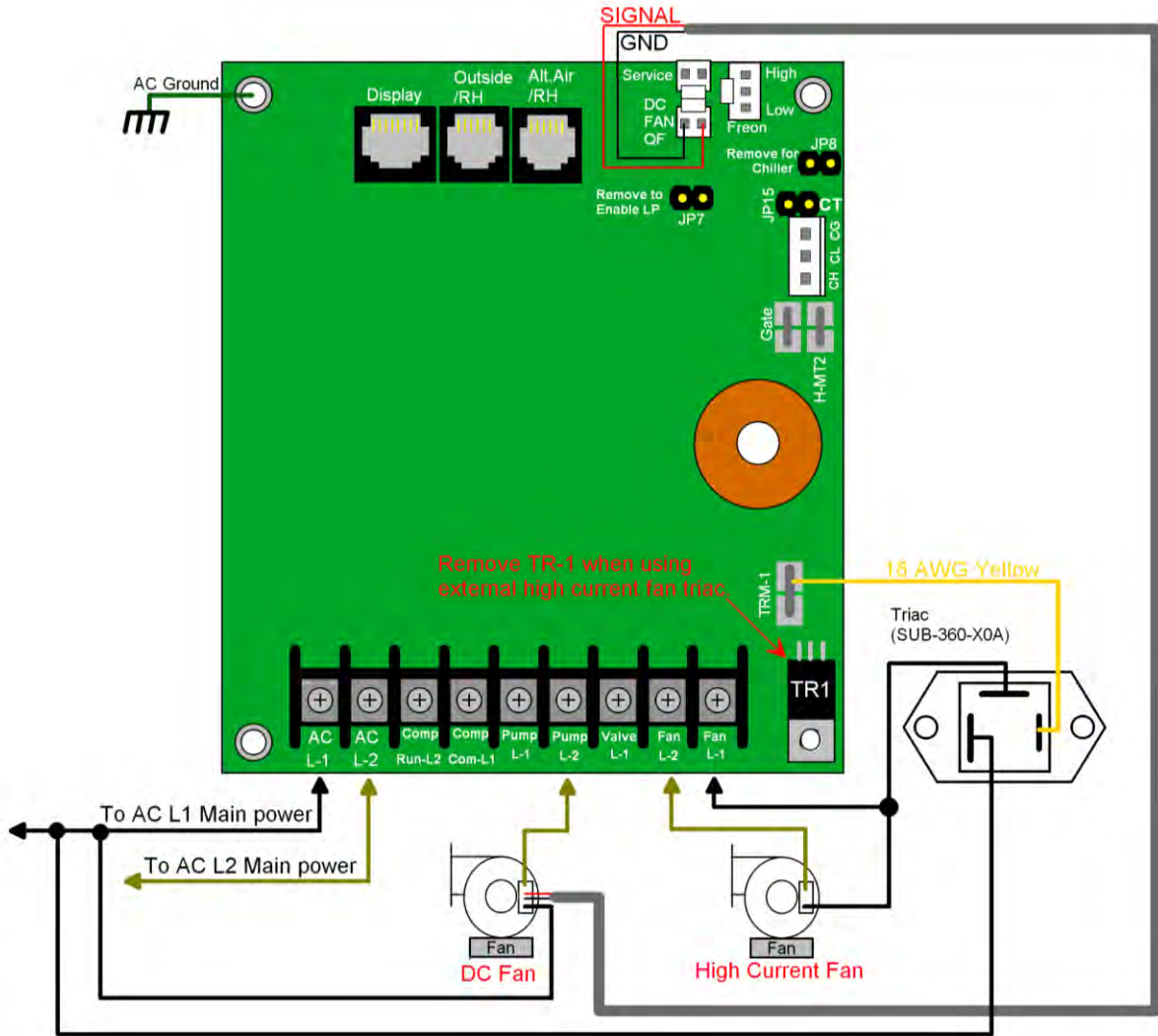
Micro Air Corp.	
FAMU Wiring: Rev L,M PCB	
August 9, 2016	Rev 3.10
Drawn By: Roger Krinic	
ASY-360-00L, 00M	

EasyStart Wiring: Rev L and M PCB

(Rev L shown. Rev M has different style DC fan jack.)



High Current and DC Fan Wiring: Rev L and M PCB
 (Rev L shown. Rev M has different style DC fan jack.)

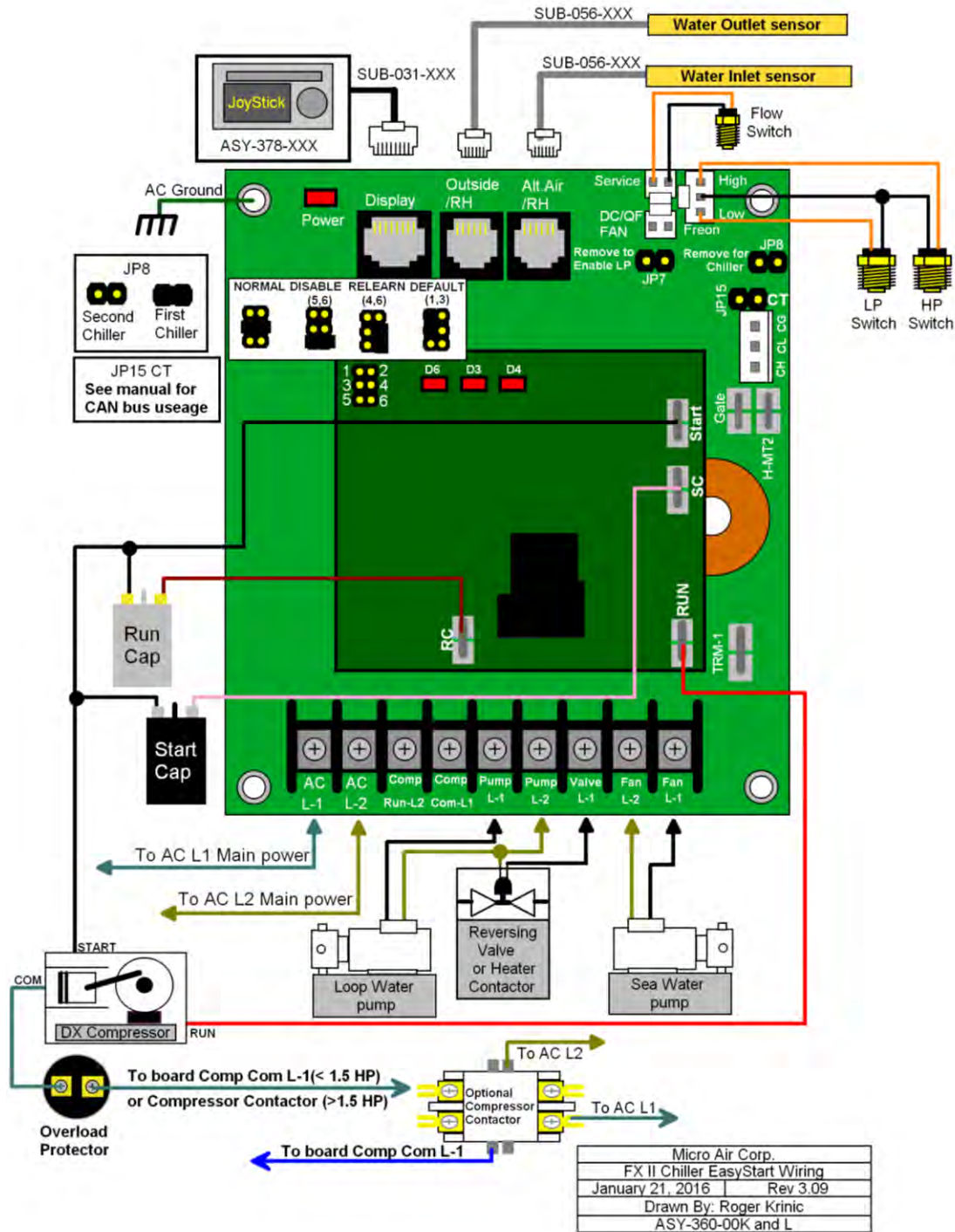


Micro Air Corp.	
FX-2 High Current/DC fan	
September 28, 2015	Rev 3.07
Drawn By: Roger Krinic	
ASY-360-00L	

Note: Up to two DC fans can be connected to the DC fan output.

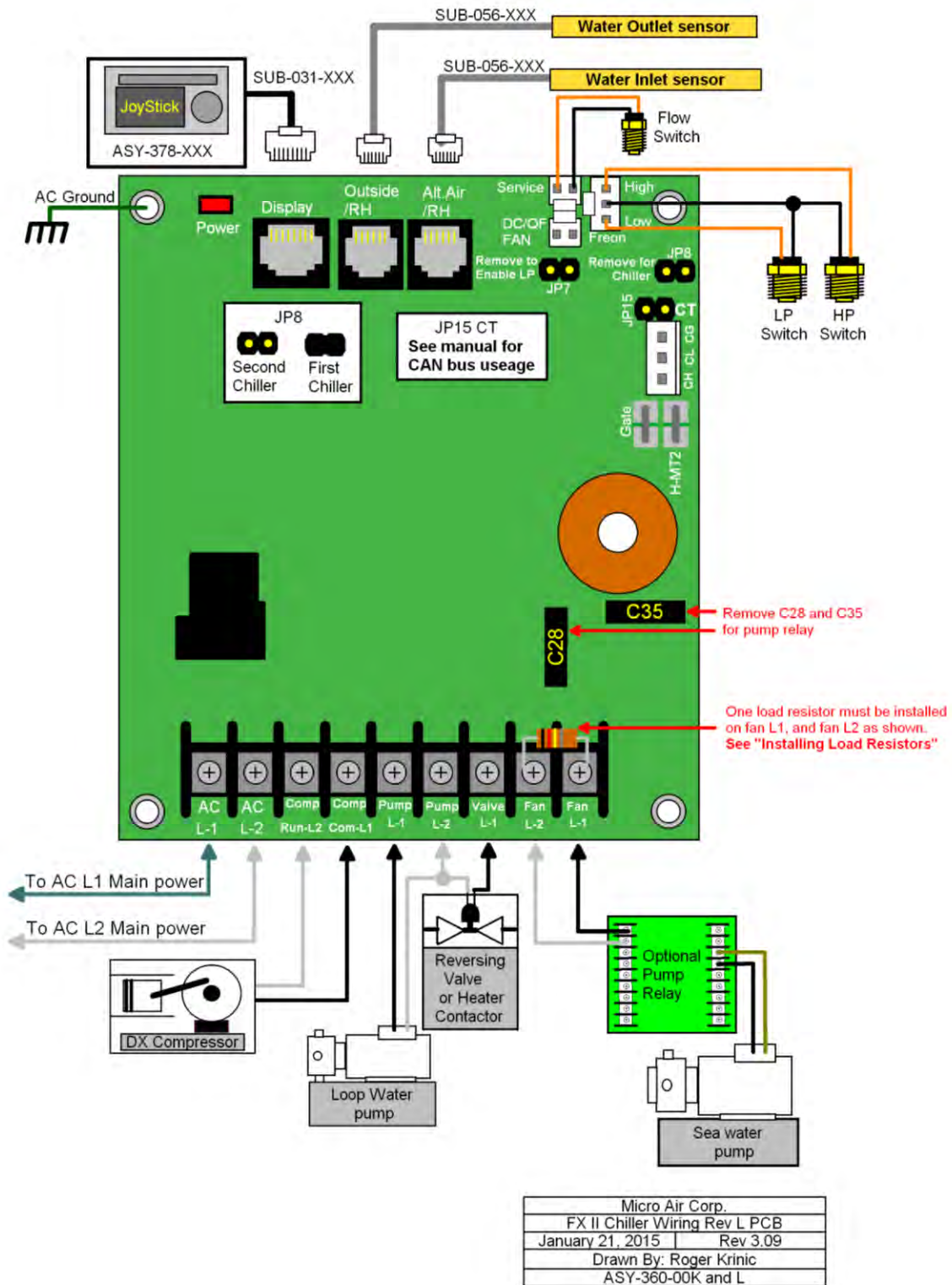
Chiller Control with EasyStart Rev L and M PCB

(Rev L shown. Rev M has different style DC fan jack.)



Chiller Control Rev L and M PCB

(Rev L shown. Rev M has different style DC fan jack.)



Specifications

General

Temperature sensor accuracy	2°F at 77°F
Low voltage limit 115 VAC units	75VAC
Low voltage limit 230 VAC units	175VAC
Line voltage limit	250VAC
Frequency	50 or 60 Hz
Maximum board input current	30 Amps
Minimum operating temperature	0°F
Maximum operating temperature	180°F
Maximum RH conditions (Board and display)	95 % Non-condensing
Maximum length of the display cable	75 Feet
Maximum length of the Outside air sensor cable	50 Feet
Externally mounted heater or fan triac	16 Amps

Application

Direct Expansion (DX)

Fan output MAX filtered	6 Amps
Unfiltered	16 Amps with external Triac
Valve output MAX (Or electric heater connected to valve output)	10 Amps Maximum
Pump output MAX	¼ HP at 115 VAC ½ HP at 230 VAC
Compressor output	1HP at 115 VAC 2HP at 230 VAC
Rev J PCB and above: Heater	16 Amps with external Triac

Air Handler (AH)

Electric heater output	
Rev IPCB and earlier (Connected to compressor L1 and L2)	30 Amps Maximum
Rev J PCB and above: Heater (see wiring)	16 Amps with external Triac 30 Amps: compressor output
Valve output MAX	10 Amps Maximum
Fan output MAX	6 Amps

Specifications (CONTINUED)

Fresh Air Make Up Unit (FAMU)

RH measurement range	5% to 100%
Electric heater output:	
Rev I PCB and earlier (Connected to Fan L1 and L2)	16 Amps Maximum
Rev J PCB and above:	16 Amp with external Triac
Valve output MAX	10 Amps Maximum
Fan output MAX	
Rev I PCB and earlier (Connected to Pump L1 and L2)	10 Amps Maximum
Rev J PCB and above (Connected to Fan L1 and L2)	6 Amps Maximum 16 Amps with external Triac

Display and Sensor Cable

Flat (oval) multi-conductor shielded modular type cable consisting of stranded tinned copper conductors with thermoplastic insulation and a 22 AWG stranded fused tinned copper drain wire with an overall 100% coverage aluminum/polyester shield in a PVC jacket. Five conductors are used for the sensor cables and seven conductors for display cables with 26 AWG 7/36 strand wire covered with .009in (Nominal) insulation. Adirondack wire and cable type AWC195 or similar type cable.

CAN bus wire

Compatibility: SAE J1939
Characteristic impedance: 120 ohms
Line capacitance: < 80pF per meter at 1 MHz
Wire gauge: 20 AWG minimum
Specific line delay (velocity factor) : > 70%
Mechanical: 2 conductors, twisted pair with shield and drain connection.

Examples of acceptable wire:

[North Wire Data Cell J1939](#)

[Waytec CB20-11F 20](#)

[Prestolite Wire SAE1939-15 #149812](#)

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