

FEATURES

- ' Seven models to choose from ranging in size from 6,000 to 32,800 BTUH
- ' Units are constructed of corrosion resistant aluminum, stainless steel and ABS plastic
- ' 1050 RPM motors for quiet operation
- ' Panels insulated internally to prevent external condensation
- ' Field conversion of units from vertical to horizontal configuration (or vice versa) is possible through the use of interchangeable panel construction
- ' Washable return air filter is standard on the AQP and AQV series fan coils
- ' Optional internally mounted incoloy rod type heating elements available for either single or three phase input
- ' Three-way motorized water valve is standard and can be field mounted on either side of the fan coil
- ' Insulated and internally coated stainless steel drain pan with anti-slosh foam media inside
- ' Condensate outlets on both sides of the fan coil
- ' Fresh air makeup connection is standard on the AQP and AQV units
- ' ABS blower housings with aluminum impellers
- ' Adjustable mounting legs with rubber vibration pads and mounting screws.
- ' Supply duct mounted air bleeder for easy commissioning
- ' Units available for 115/1/60, 100/1/50, 208-230/1/60 and 200-220/1/50 power inputs.
- ' All unit coil assemblies are pressure tested to assure leak-proof performance
- ' All fan motors are test run to assure proper operation and air flow output

I:\wordpfct\80930.wpd

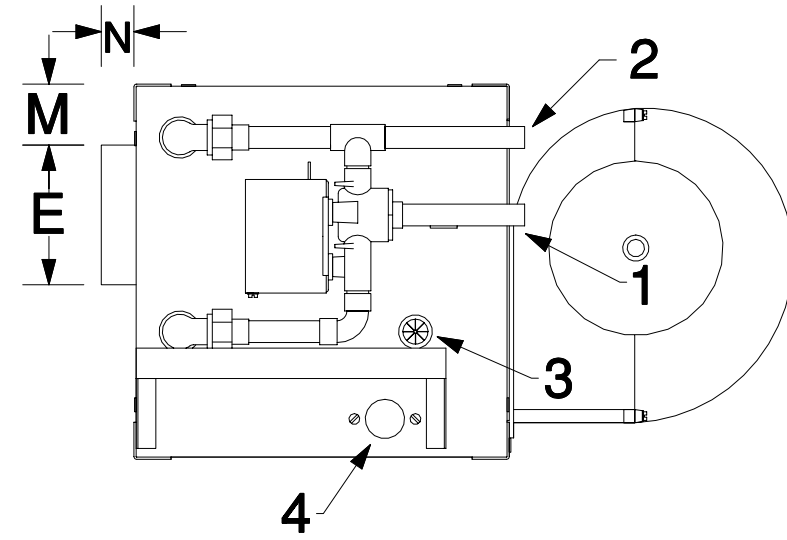
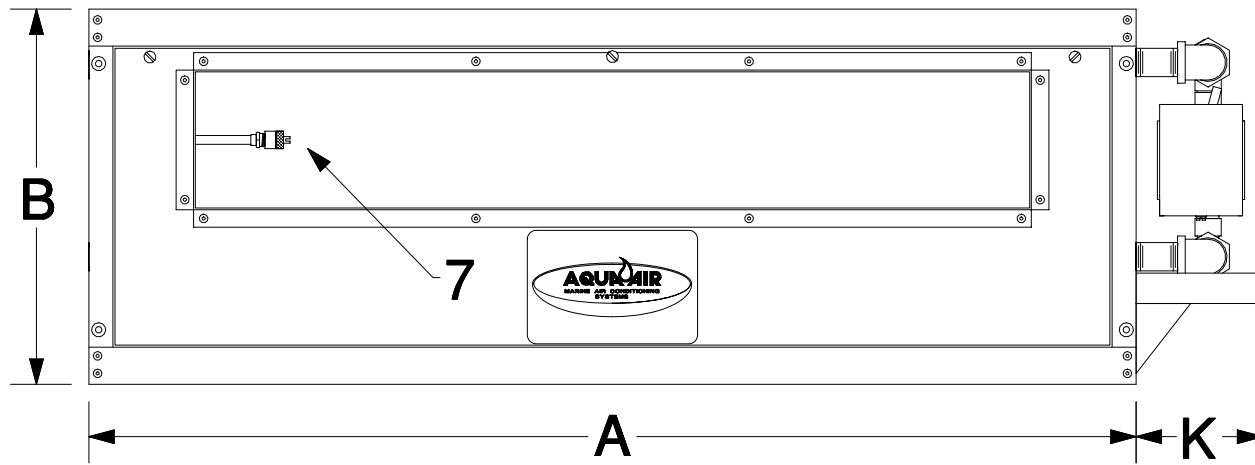
AQUA-AIR MANUFACTURING, division of the James D. Nall Co., Inc.
1050 East 9th Street, Hialeah, Florida 33010 U.S.A.
Ph. 305-884-8363 Fax 305-883-8549

Fan Coil Specifications

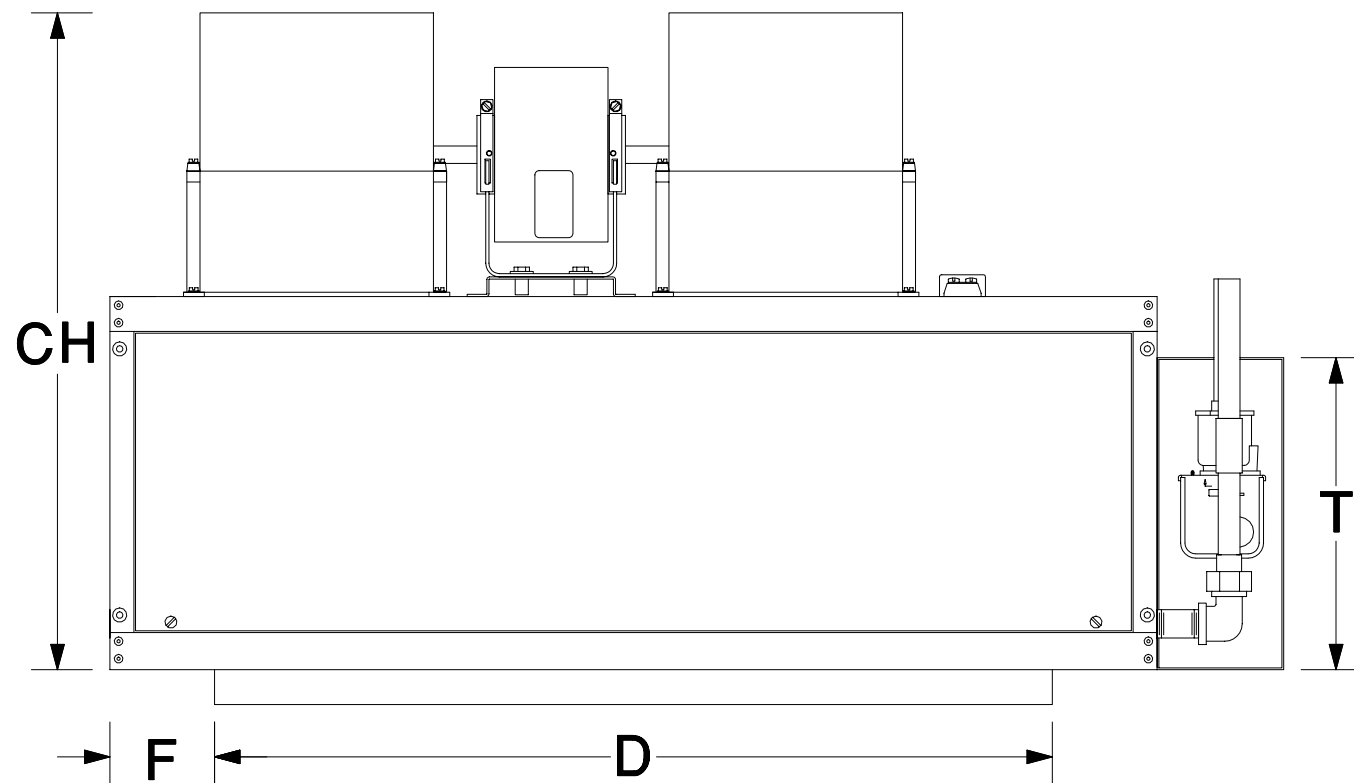
Unit Size		2	3	4	6	8	10	12
Cooling Capacity	BTU/HR	6,000	9,000	12,100	17,300	22,600	27,500	32,800
	KCAL/HR	1,512	2,268	3,049	4,360	5,695	6,930	8,266
Air Flow Capacity	CFM	200	300	400	600	800	1,000	1,200
	M³H	340	510	680	1,020	1,360	1,700	2,040
Fan Amperage	115v	2.70	2.70	2.70	2.70	5.40	5.40	5.40
	230v	1.35	1.35	1.35	1.35	2.70	2.70	2.70
Fan Wattage	W	311	311	311	311	621	621	621
Required Chillwater Flow	GPM	1.2	1.8	2.4	3.6	4.8	6.0	7.2
	LPM	4.5	6.8	9.1	13.6	18.2	22.7	27.3
Pressure Drop	Ft/H₂O	2.10	5.00	3.70	6.20	8.50	11.40	17.0
	kPa	6.28	14.95	11.06	18.54	25.42	34.09	50.83
Maximum Heater Size	kW	1.0	1.5	2.0	3.0	4.0	5.0	6.0
	BTU/HR	3,415	5,123	6,830	10,245	13,660	17,075	20,490
	KCAL/HR	861	1,291	1,721	2,582	3,442	4,303	5,164
Auxiliary Heater Size	kW	1.0	1.0	1.0	1.5	2.0	3.0	3.0
	BTU/HR	3,415	3,415	3,415	5,123	6,830	10,245	10,245
	KCAL/HR	861	861	861	1,291	1,721	2,582	2,582
Weight	LBS	47	50	61	72	93	103	114
	KGS	21.4	22.8	27.8	32.8	42.3	46.9	51.9
Minimum Supply Air Grille Size	in²	56	72	96	128	160	200	240
	cm²	361	464	619	826	1,032	1,290	1,548
Minimum Return Air Grille Size	in²	84	108	144	192	240	300	360
	cm²	542	697	929	1,238	1,548	1,935	2,322

Fan Coil Dimensions

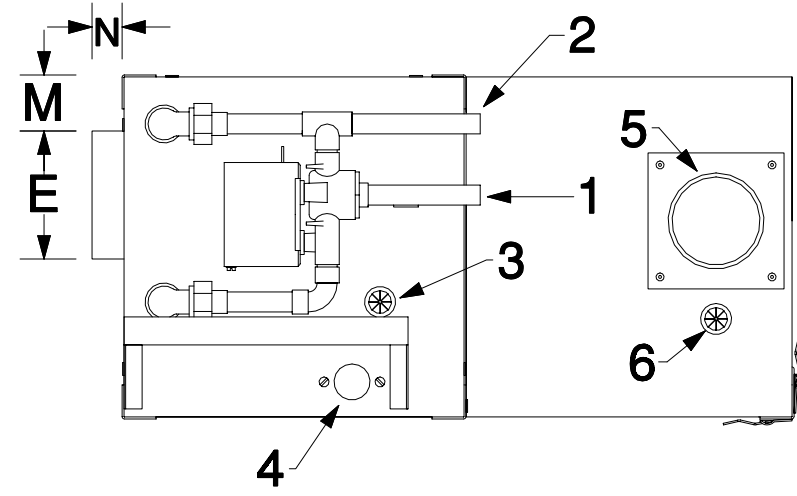
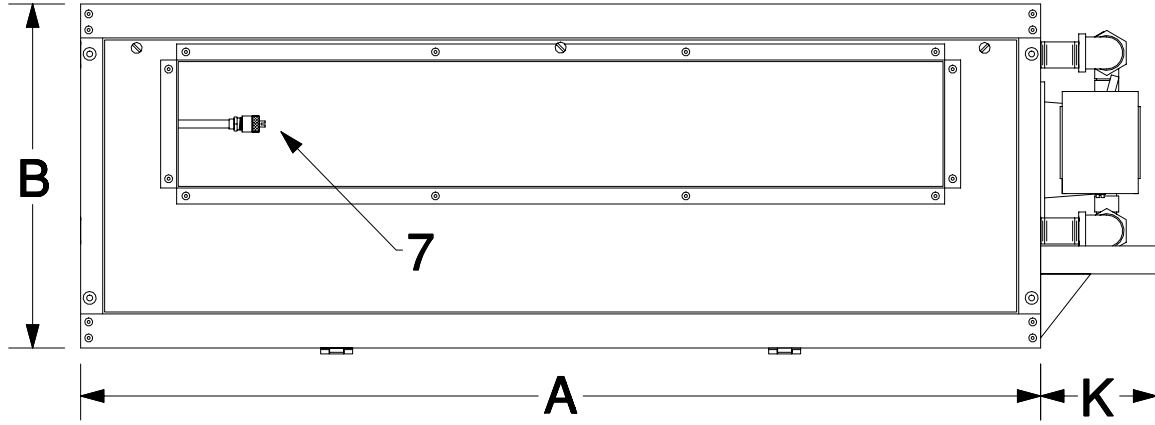
Unit Size			2	3	4	6	8	10	12
Length	A	in/cm	20 / 51	24 / 61	30 / 76	38 / 97	46 / 117	56 / 142	66 / 168
Depth	B	in/cm	10.8 / 27						
Height	C	in/cm	21 / 53						
Height (AQH only)	CH	in/cm	19 / 48						
Air outlet length	D	in/cm	14 / 36	18 / 46	24 / 61	32 / 81	40 / 102	50 / 127	60 / 153
Air outlet width	E	in/mm	4.0 / 102						
Unit Side to Air Outlet	F	in/mm	3.0 / 76						
Valve Package Width	K	in/mm	4 / 102						
Unit Front to Air Outlet	M	in/mm	1.75 / 44						
Air Outlet Collar Height	N	in/mm	1.0 / 25						
Valve Package Pan Length	T	in/cm	9.0 / 23						
Valve Package Pan Height	V	in/cm	12.50 / 32						
Chillwater Return, OD	1	in/mm	0.625 / 16						
Chillwater Supply, OD	2	in/mm	0.625 / 16						
Heater Electrical Inlet, ID	3	in/mm	0.7 / 18						
Drain, FPT	4	in	3/4						
Fresh Air Connection	5	in/mm	3.0 / 76						
Unit Wiring Entrance	6	in/mm	0.7 / 18						
Air Bleeder	7	in	1/4" Male Flare						



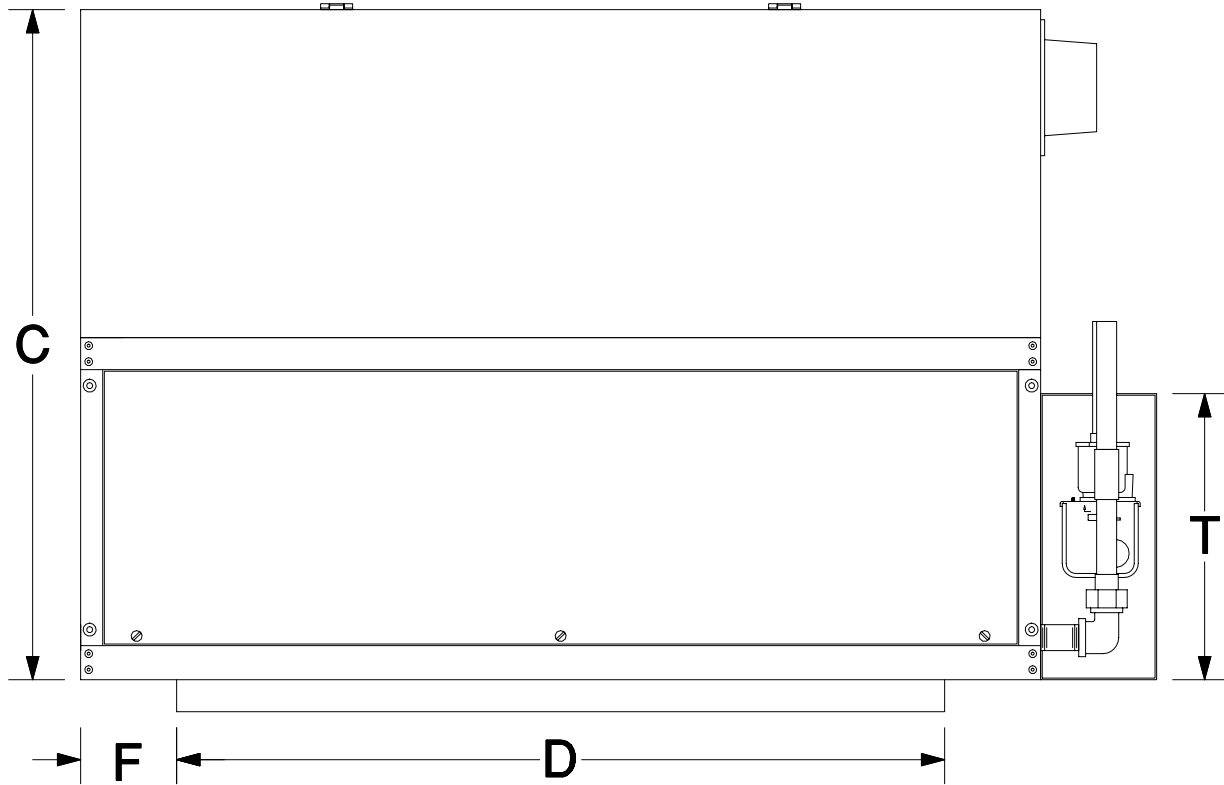
AQH-Ø4 SHOWN



AQH
FAN COIL

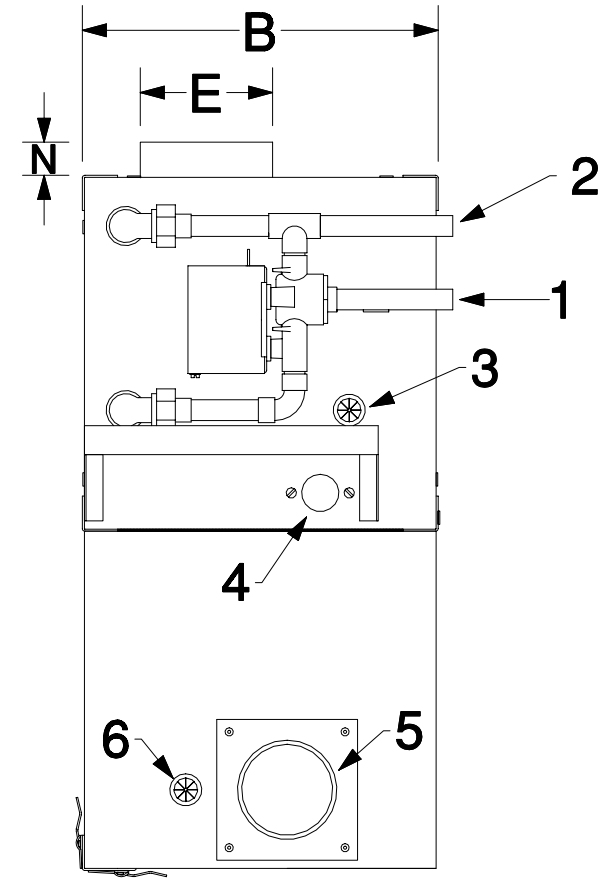
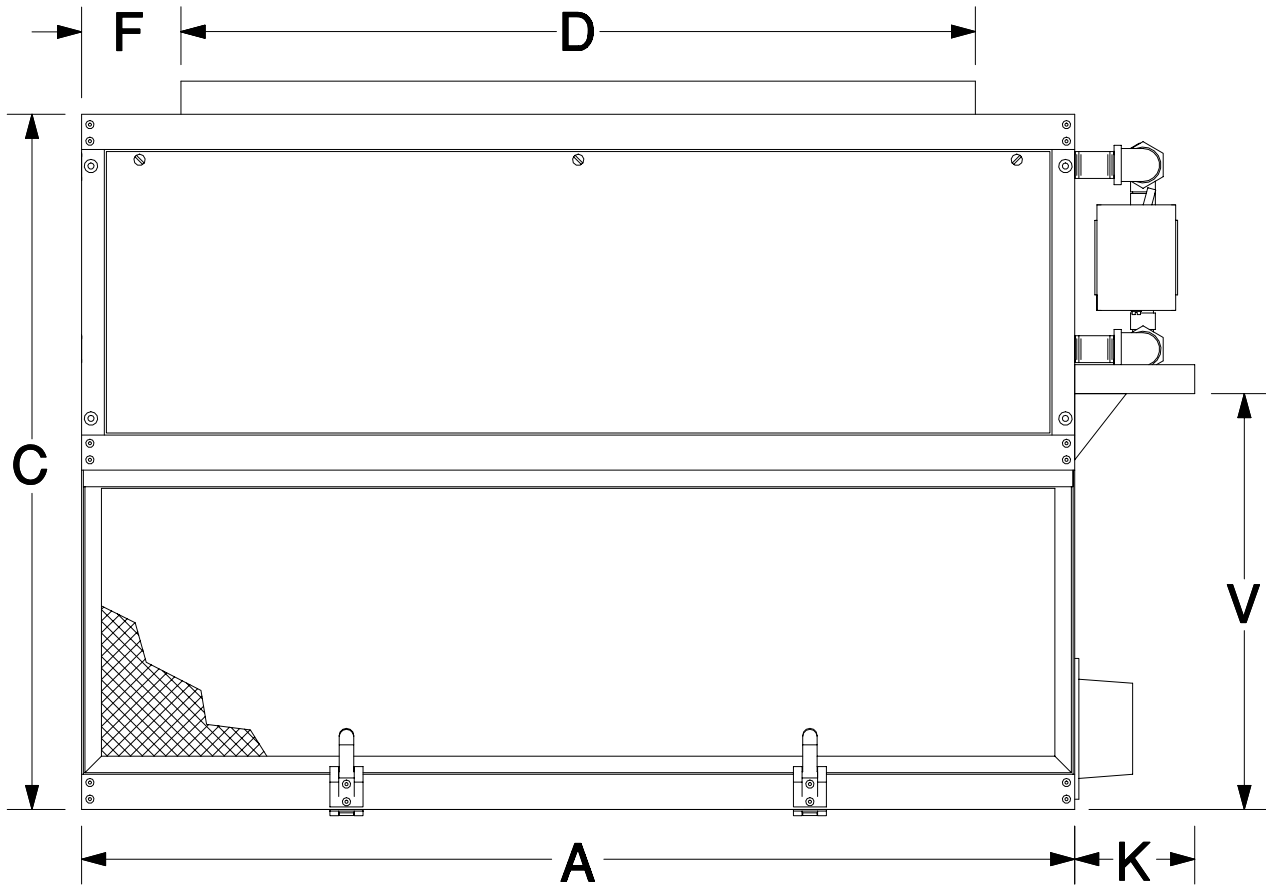


AQP-04 MODEL SHOWN

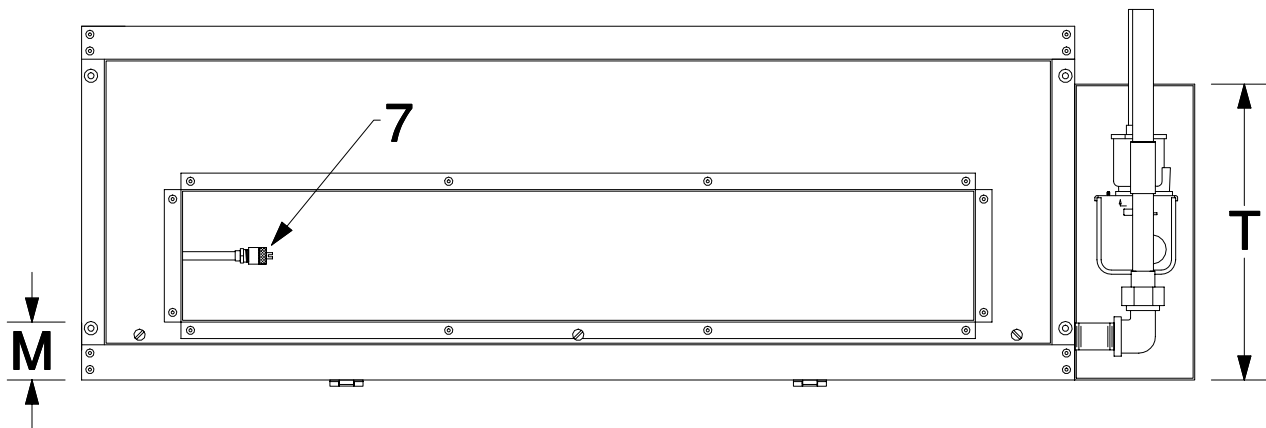


AQP

FAN COIL

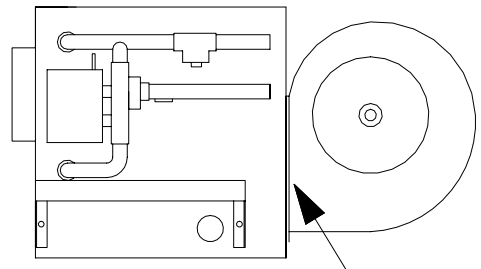


AQV-04 UNIT SHOWN



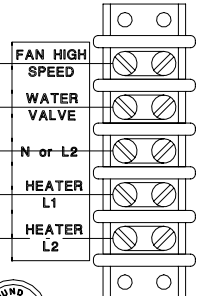
AQV

FAN COIL



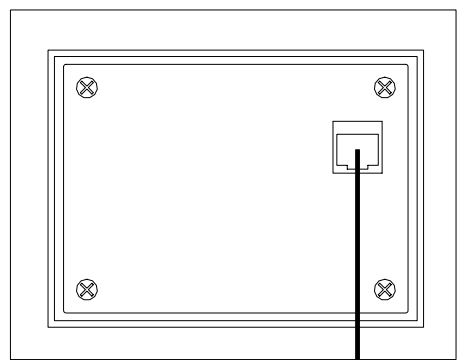
AQH
FAN COIL

FAN COIL #1



TERMINAL STRIP FOR ALL AQH, AQP & AQV FAN COILS WILL BE LOCATED ON THE BLOWER MOTOR TRAY.

MULTIPLE FAN COILS CAN BE CONNECTED IN PARALLEL TO THE THERMOSTAT PROVIDED THEY DO NOT EXCEED THE MAXIMUM AMPERAGE RATINGS OF THE CONTROL MODULE



DISPLAY HEAD

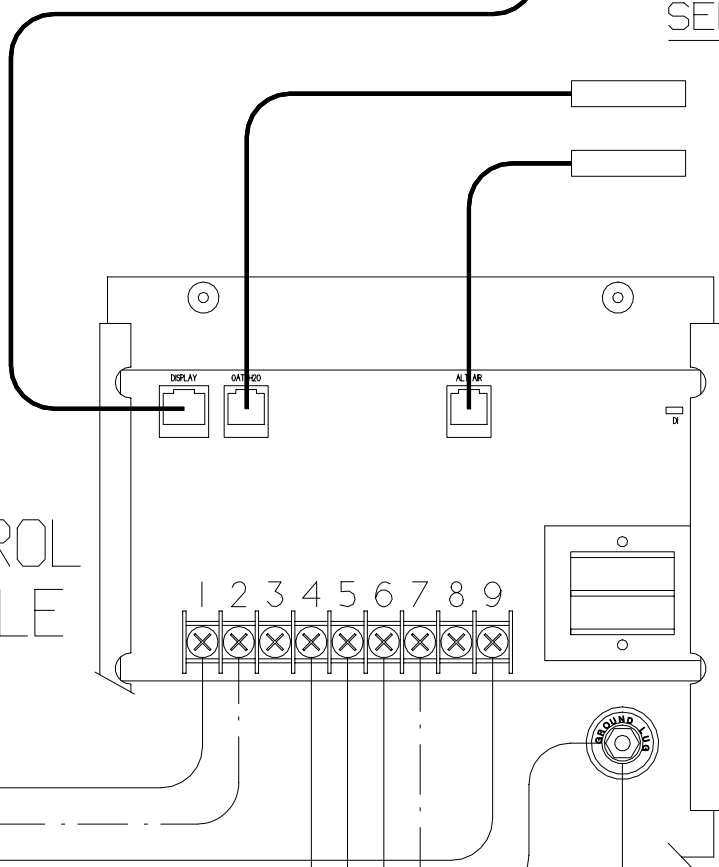
INLET WATER SENSOR NOTE
ATTACH SENSOR TO THE WATER INLET LINE AT FAN COIL WATER VALVE

SENSORS

INLET WATER SENSOR

ROOM AIR SENSOR

DISPLAY CABLE 15'



CONTROL MODULE

MAXIMUM CIRCUIT RATINGS

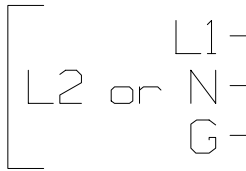
- WATER VALVE 1/4A
- FAN MOTOR 6A
- HEATER 20A

TERMINAL BLOCK CONNECTIONS

1. HEATER ELEMENT L1
2. HEATER ELEMENT L2
3. N/A
4. WATER VALVE L2
5. WATER VALVE L1
6. POWER INPUT L1
7. POWER INPUT L2 or N
8. FAN L2
9. FAN L1

NOTE: ALL L2's ARE COMMON TO EACH OTHER

POWER INPUT
115/1/60
200-230/1/50-60



NOTE: FAN COIL MOTOR, WATER VALVE & HEATER MUST BE RATED FOR THE SAME VOLTAGE AS THE POWER INPUT.

AQUA-AIR MARINE AIR CONDITIONING SYSTEMS

TW2W DIGITAL THERMOSTAT w/ SINGLE AQH/AQP/AQV STYLE FAN COIL 115 or 230V w/ SINGLE PHASE ELECTRIC HEATERS

DRAWING NUMBER	4008-48	DRAWN BY	DN	DATE	2-26-98
SCALE	NONE	APPROVED BY		REVISION DATE	
					REV A