INSTALLATION INSTRUCTIONS

8301-057 FILTER SWITCH

This unit is equipped with a filter pressure switch used to indicate when the filter needs to be replaced. The switch circuit consists of a normally open filter pressure switch, a normally closed dirty filter relay, contacts 10 and 11 on the unit low voltage terminal strip and a dirty filter indicator light. When energized due to a dirty filter, the filter switch closes, the relay opens, contacts 10 and 11 are de-energized and the dirty filter indicator light turns on.

Once the filter has been replaced, the reset button located by the dirty filter indicator light must be pushed to open the filter switch circuit (see Figure 1 on page 2). Once pushed, the "Change Filter" light turns off and contacts 10 and 11 on the terminal strip are re-energized.

Adjustment of dirty filter switch may be necessary to ensure proper operation. See Table 1 on page 3 to aid in setting the filter switch to operate at different percentages of filter blockage.

Bard®
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Climate Control Solutions

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Manual: 7960-731C
Supersedes: 7960-731B
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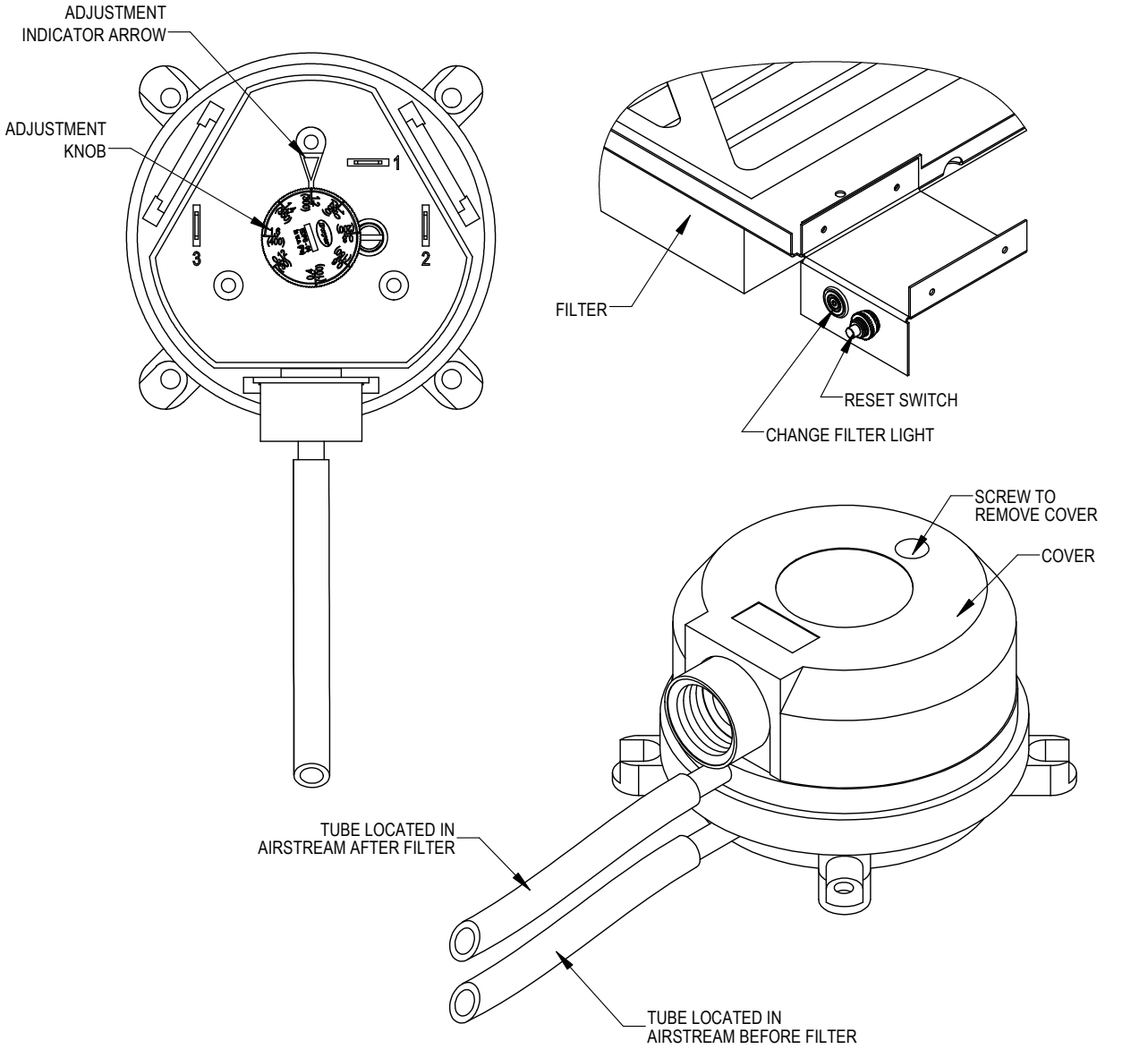
FIGURE 1



MIS-3698

TABLE 1
Filter Switch Pressure Settings

Unit	Filter Blockage %	0%	10%	20%	30%	40%	50%	60%	70%
W70A,W70L, W60A, W60L, H60A4,H60L4	Switch Static Pressure Setting	0.45	0.50	0.60	0.65	0.70	0.75	0.80	0.82
	Evaporator Airflow %	100%	99.50%	93.80%	90.10%	88.80%	80.90%	79.50%	72.60%
W48A,W48L, W42A4, W42L4, H48A4,H48L4	Switch Static Pressure Setting	0.40	0.42	0.44	0.50	0.55	0.58	0.60	0.63
	Evaporator Airflow %	100%	98.90%	96%	91%	86.20%	81.70%	77%	72.80%
W36A,W36L, W30A, W30L, H36A4,H36L4	Switch Static Pressure Setting	0.40	0.40	0.51	0.58	0.62	0.70	0.71	0.75
	Evaporator Airflow %	100%	100%	98.10%	93.10%	89.50%	85.40%	81.60%	75.80%
HA4S4, HA5S4 HL4S4, HL534	Switch Static Pressure Setting	0.26	0.32	0.40	0.50	0.70	1.00	1.10	1.20
	Evaporator Airflow %	100%	98.90%	96%	91%	86.20%	81.70%	77%	72.80%
W24A,W24L, W18A, W18L, H24A4,H24L4	Switch Static Pressure Setting	0.24	0.30	0.37	0.39	0.43	0.45	0.50	0.52
	Evaporator Airflow %	100%	98.60%	96.90%	91.40%	87.70%	82.90%	78.90%	73.90%
W12AA, H12AA	Switch Static Pressure Setting	0.40	0.41	0.44	0.46	0.48	0.50	0.51	0.57
	Evaporator Airflow %	100%	98.50%	96.90%	95.70%	92.20%	90.10%	84%	73.70%
H42AA	Switch Static Pressure Setting	.15	.30	.40	.50	.55	.60	.65	.80
	Evaporator Airflow %	100%	98.90%	96%	91%	86.20%	81.70%	77%	72.80%
H60AA	Switch Static Pressure Setting	.40	.45	.58	.62	.75	.80	.90	1.0
	Evaporator Airflow %	100%	99.50%	93.80%	90.10%	88.80%	80.90%	79.50%	72.60%
H72AB	Switch Static Pressure Setting (High Blower Speed)	.45	.55	.65	.70	.80	.97	1.10	1.20
	Switch Static Pressure Setting (Medium Blower Speed) *DEFAULT*	.45	.50	.55	.65	.75	.85	1.05	1.30
	Switch Static Pressure Setting (Low Blower Speed)	.55	.60	.65	.70	.80	1.0	1.18	1.30
	Evaporator Airflow %	100%	100%	98.10%	93.10%	89.50%	85.40%	81.60%	75.80%

All units tested equipped with 2" pleated MERV 8 and MERV 11 filters. Appropriate supply (SG) and return (RG) grilles installed during testing. Pressure switch adjustment may be necessary due to variations in filter type, installation and room pressure.

Bard recommends the filter switch be set at 50% filter blockage or less. Higher settings may significantly hinder unit performance.