

# PLASMA BAR

# IONIZATION PRODUCT SUBMITTAL



**MODEL BAR**

The Plasma BAR is a needlepoint type bipolar ionizer arranged in a long, narrow bar design. The unit is installed at the air entering side of the cooling coil of an air handling unit (AHU) or roof top unit (RTU). The installer mounts the Plasma BAR using the provided brackets insuring that the ionization needles are pointed down to avoid debris accumulating on the needles. The 96" long BAR can treat up to 20,000 CFM. For higher airflows, multiple BARS will be used. The BAR operates on 12V DC which is supplied from the Control Panel using the provided low voltage power cable. The Control Panel is capable of accepting 24V AC or 12V DC. For 120V/230V applications, a 12V DC power supply will be provided.

**SPECIFICATIONS:**

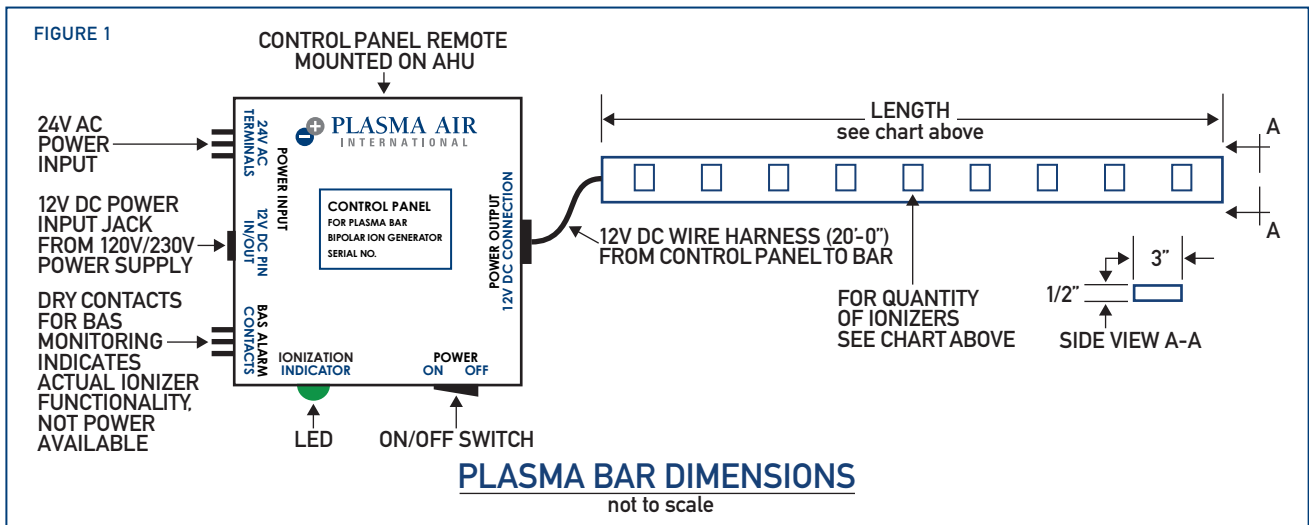
Housing Material: . . . . . 18 Gauge Galvanized Steel  
 Maximum Operating Temperature: . . . . . 200°F (93°C)  
 Mode of Operation: . . . . . Needlepoint type  
 Needle Configuration: . . . . . Recessed  
 Mounting: . . . . . Top angle brackets  
 Pressure Drop: . . . . . <0.05" W.G.  
 Dimensions: . . . . . See Figure 1  
 Approvals: . . . . . Intertek/ETL Standard UL867

**Control Panel (CP):**

Dimensions . . . . . 4<sup>5</sup>/<sub>8</sub>"(L) X 4<sup>5</sup>/<sub>8</sub>"(W) X 3<sup>1</sup>/<sub>2</sub>"(D)  
 Direct Input Voltage . . . . . 12V DC or 24V AC  
 Input Voltage requiring power supply . . . . . 120/230 VAC  
 Frequency . . . . . 50/60 Hz  
 Over-current Protection . . . . . Automatic Reset 1 Amp fuse  
 Length of wiring harness from CP to BAR . . . . . 20'-0"  
 Interconnecting Voltage to BAR . . . . . 12V DC  
 Environmental Service . . . . . Indoor only

PLASMA BAR MODEL #PB-XXX	018	024	030	036	042	048	054
<b>AIRFLOW TREATED (CFM)</b>	<b>3,750</b>	<b>5,000</b>	<b>6,250</b>	<b>7,500</b>	<b>8,750</b>	<b>10,000</b>	<b>11,250</b>
LENGTH OF PLASMA BAR (inches)	18	24	30	36	42	48	54
QUANTITY OF IONIZERS ON BAR	3	4	5	6	7	8	9
ELECTRICAL CURRENT DRAW (mA)	90	120	150	180	210	240	270
POWER CONSUMPTION (VA)	2.2	2.9	3.6	4.3	5.0	5.8	6.5
WEIGHT (LBS)	1.1	1.5	1.9	2.3	2.6	3.0	3.4

PLASMA BAR MODEL #PB-XXX	060	066	072	078	084	090	096
<b>AIRFLOW TREATED (CFM)</b>	<b>12,500</b>	<b>13,750</b>	<b>15,000</b>	<b>16,250</b>	<b>17,500</b>	<b>18,750</b>	<b>20,000</b>
LENGTH OF PLASMA BAR (inches)	60	66	72	78	84	90	96
QUANTITY OF IONIZERS ON BAR	10	11	12	13	14	15	16
ELECTRICAL CURRENT DRAW (mA)	300	330	360	390	420	450	480
POWER CONSUMPTION (VA)	7.2	7.9	8.6	9.4	10.1	10.8	11.5
WEIGHT (LBS)	3.8	4.1	4.5	4.9	5.3	5.6	6.0



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