Air Sniper Induct 300W BAS Compatible

FEATURES

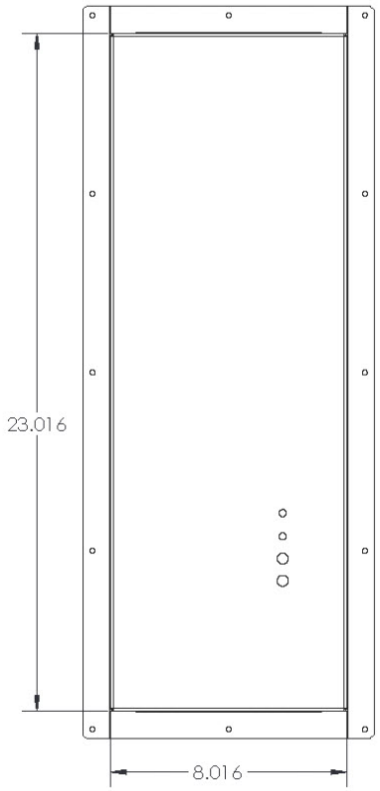
- No Ozone (UL2998 Certified)
- 5-Year lamp Life (43,800 Hours)
- BAS compatible
- 300 Watt Bulb

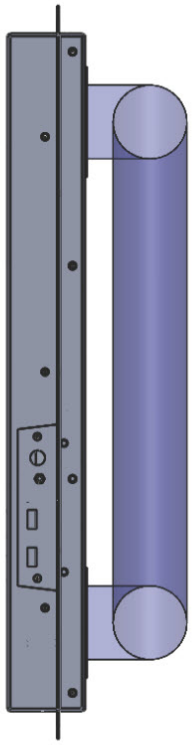
99.9% Destruction of Microorganisms
Scientifically proven to destroy 99.9% of airborne viruses, bacteria, and molds.

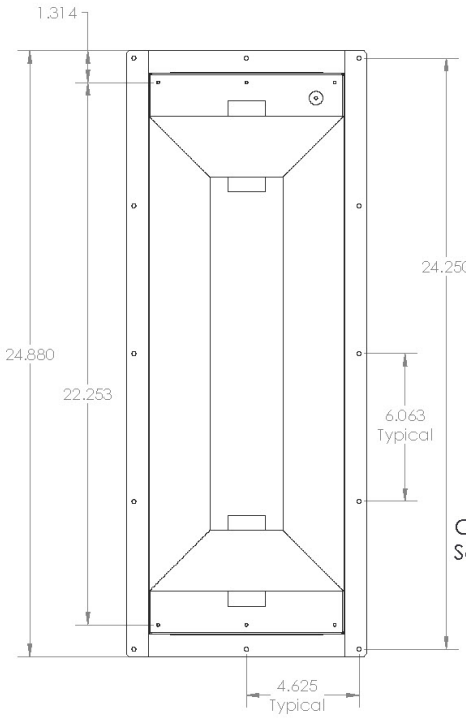
SPECIFICATIONS

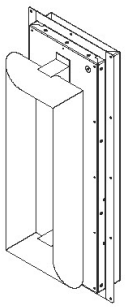
Power Requirements:	Single Phase,208V AC 50/60 Hz
Energy consumption:	1.8 Amp Max (420 Watt) @208V AC
Weight:	15 lbs (7 kg)
Control panel:	Status, Bulb life, Alarm indicators
Housing material:	Aluminum
Dimensions:	25”(H) x 10" (W) x 5.36"(D)
Electrical safety certification:	cETLus Certified UL and CSA Standards
Control:	Differential Pressure Switch
Operating temp range:	-25C/+100C
Recommended Airflow:	500-2500 CFM
Connection Power Control:	Single or daisy chain 15-30 VAC/10-120 VAC

DETAIL DRAWINGS





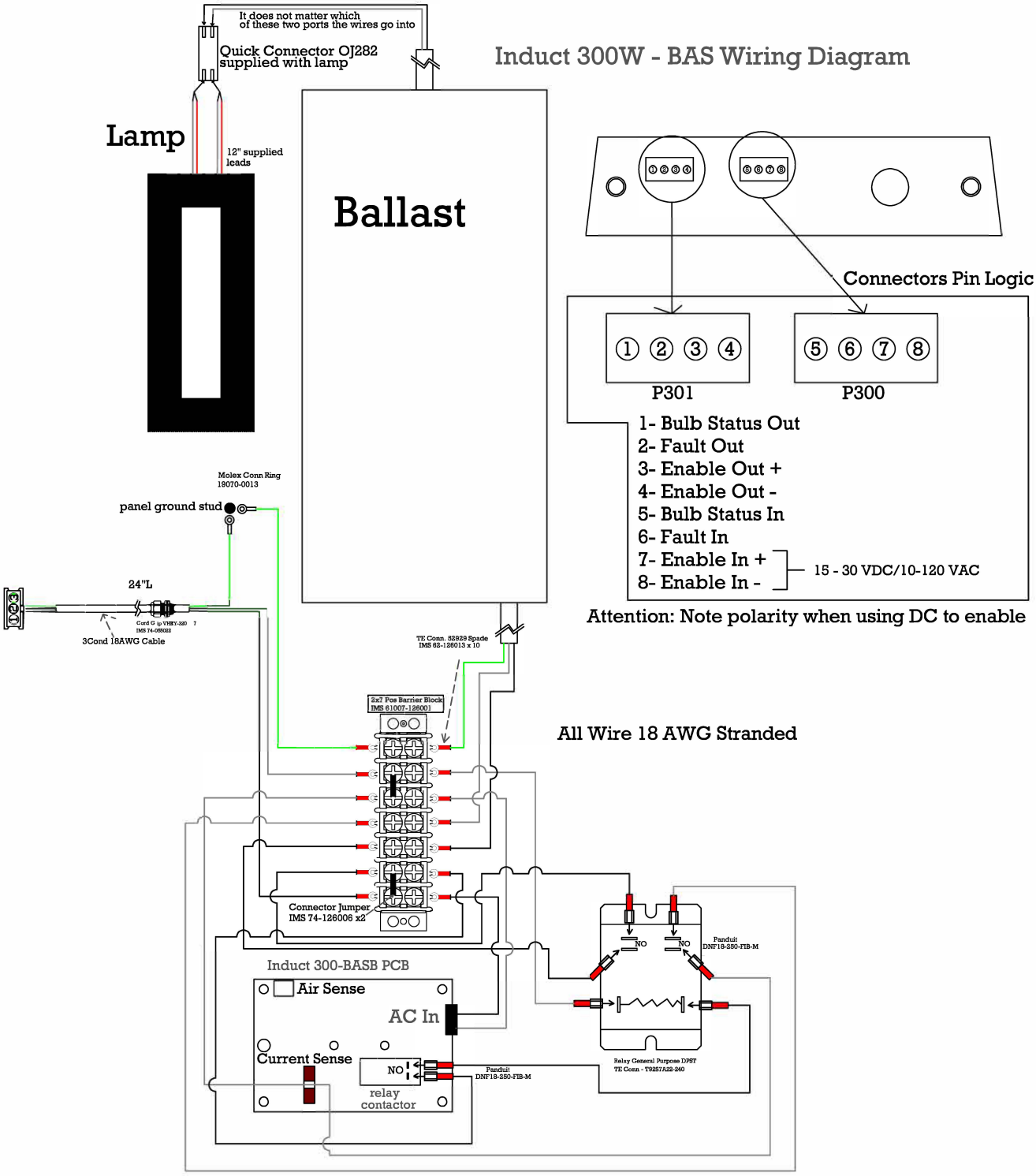




Notes

Cutout hole size : 23.125 x 8.125
See Electrical Details on page 2

WIRING DIAGRAM



FIRMWARE MANUAL

OVERVIEW

The In-Duct 300 BACnet is a device that fits within an HVAC airduct and is equipped with a UV bulb inside the airduct that turns on when airflow is detected. The device has LEDs that indicate bulb status and system status. It has a button that can be used to illuminate the bulb status LED when off and can be used to reset the bulb hour count after a bulb has been replaced. A trim potentiometer is also provided to manually set an airflow threshold. A bulb status and fault status relay output are provided to connect to an external BACnet interface. Both an AC and DC inputs are available to enable the device. When the device is enabled the UV bulb will turn on while airflow is above a set threshold. The hours of bulb on time are tracked and saved during a power cycle. Bulb current is measured both when the light is on and off to detect fault conditions. The following sections describe the individual device features.

BULB STATUS LED

The bulb status LED is off when the UV bulb is off. It is green when bulb on hour count is below a level specified in a factory configuration. There is a warning level and an alarm or expiry level specified in factory parameters. The bulb status LED is blue if bulb hour count is at or above the specified warning level. The bulb status LED is red if bulb hour count is at or above the specified alarm/expiry level.

Currently the warning level is set at 43000 hours and the expiry level is 43800 hours.

SYSTEM STATUS LED

The system status LED flashes green if there is no active enable input. It is solid green if there is an active enable input. Flashing blue indicates there is no expected bulb current when a bulb is on. Flashing red indicates there is a bulb current flowing that is unexpected while a bulb is off.

BUTTON

The bulb status LED, if off, will light up while the button is pushed. The bulb on hour count is reset to 0 after the button is pushed for 30 seconds. This should only be done after replacing a UV bulb.

BACNET BULB STATUS RELAY

The BACnet bulb status relay is energized while a bulb is on. Either the normally open or normally closed contacts can be connected to the external connector (with jumpers).

BACNET FAULT STATUS RELAY

The fault relay is on if there is no fault. It is off if the system status LED is either flashing blue or red, the bulb hour count has expired (red bulb status LED), or the power is off. With the normally open jumpers in, the fault relay connection will open on a fault condition.

ENABLE INPUT

The enable input can be either an AC or DC voltage. The appropriate jumper must be selected for the voltage type. The device will not operate unless there is an active enable signal.

AIRFLOW PRESSURE TRIM POTENTIOMETER

An air pressure threshold can be configured with a trim potentiometer. When turned fully counter clockwise a preconfigured default threshold is used. This position should be the default for most installations. By turning the potentiometer clockwise, a manual threshold can be selected within a preconfigured range. There is a delay before a bulb is turned on, so adjust the potentiometer in small incremental steps

INDUCT 300W BASBACNET-208V DAISY CHAIN