



Vertex Electronic Ballast for Metal Halide Lamp

Safety – Please take adequate caution when wiring any electronics. Never wire or modify a Vertex Electronic Ballast while it is connected to a power source, even if the power switch is off. Though designed to dissipate energy from the internal capacitors as soon as the ballast has been unplugged, avoid touching the two output wires together after the unit has been used. All components and installation should be handled by a qualified technician.

Technical Parameters

Model	175 EB		250 EB		400 EB	
Lamp Type	175 W		250 W		400 W	
Input Voltage	120 V	230 V	120 V	230 V	120 V	230 V
Input Frequency	50/60 Hz					
Input Current	1.55A	0.85A	2.19A	1.19A	3.45A	1.88A
Input Power	185 W	183 W	262	260 W	412 W	410 W
Power Factor	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99
Operating Temp	-10 ~ 50 °C or (14 ~ 120 °F)					

Installation Notes

1. To ensure proper operation, the electronic should be used with the properly rated Metal Halide Bulb. Input voltage must be within the range of 100 – 140 V for ballast rated at 120 V and 175 – 265 V for a ballast rated at 230 V. Do not exceed these recommendations as doing so will damage the ballast.
2. Please check to see that the ballast is turned off and not connected to a power source during installation and troubleshooting.
3. Check to confirm that the ballast is adequately protected from excess dampness, dust and excessive humidity.
4. If the unit would shut off in working condition during operation, it will re-start after it has cooled. This should generally take 0-3 minutes.
5. If the lamp would shut off during operation, please check to ensure that the lamp holder(s) is in good condition, the lamp is in working condition or of operating age. The ballast has a “smart” chip to detect any problems associated with a defective bulb, wiring circuits or faulty components. If detected, the chip will trigger the ballast into off-mode. Please disconnect the ballast from a power source in this scenario.
6. The Green/Yellow & Green wire at the input and output must be grounded. Never use the other wires for this.
7. The output White/Brown should be connected to the lamp socket, but can NOT be connected to the metal housing of the ballast or the housing of the lighting fixture. Failing to follow these guidelines will result in damage to the ballast unit.

Wiring Diagram

