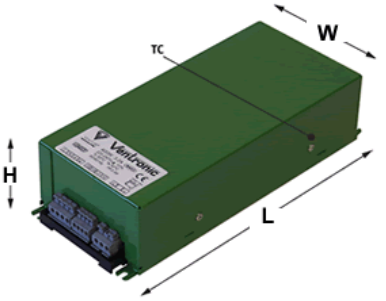
Product Code: VSB250S01

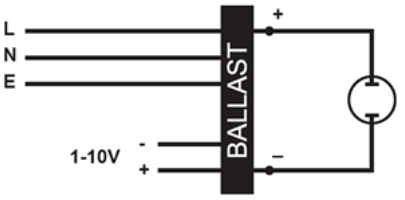
High Wattage Ventronic Ballasts Switched/1-10V dimming

Type: DIMMING *** See dimming notes below ***
Suitable Lamps: HPS

Electrical Data

Actual Lamp Power	250
Circuit Watts (W)	262
Dimmed Power Level	VARIABLE
Dimmed Lamp Power (W)	70%=175, 50%=125, 35%=87
Dimmed Circuit Watts (W)	70%=184, 50%=133, 35%=93
Input Voltage (V) ±10%	220 - 240
Input Frequency (Hz)	50 / 60
Input Current (A) @ 240V	1.1
Power Factor	>0.95
Total Harmonic Distortion (THD)%	<10
Max Ballasts per C16A Circuit	14
Lamp Waveform	Sine Wave
Lamp Operating Frequency (Hz)	>101k
Voltage Ignition (kV)	5
Maximum Cable Capacitance (pF)	1000
Internal Data Logging	Yes





Circuit Diagram

Safety & Thermal

Short Circuit Protection	Yes
Continuous Open Circuit	Yes
Thermal protection with Auto Reset	Yes
End of Lamp Protection	Yes
Maximum Case Temperature (°C)	85
Maximum Ambient Temperature (°C)	55
Minimum Ambient Temperature (°C)	-40

Physical Data

Termination Type	GRIPWIRE
Termination Size (mm²)	0.75 - 2.5
Termination Length (mm)	Not Applicable
Case Type	Aluminium
Fixings (mm)	227-232 x 83
Weight (kg)	0.9
Conformal Coating	None
IP Rating	IP20 *** For internal use only ***
Total Length (mm)	237
Width (mm)	103
Height (mm)	57

Revision: 10-06-2013

See page 2 for product notes

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Notes:

MTBF is 80,000 hours at 25°C ambient

Dimming will not commence until the lamp has been operated at full power for 5 minutes.

Expected life: 60,000 hours at rated case temperature.

HPS lamps are 70% maximum dimming - 30% minimum power.

Dimming ballasts incorporating switch dimming, 1-10V control: switch-dimming is achieved by shorting the 1-10V control lines (dimming activated) or with the 1-10V control lines open circuit ballast will operate at full power. Using the switch-dimming method in this way, does not require a 1-10V signal. In all instances of dimming operation, after initial switch on, to ensure complete lamp warm up, dimming will not commence until the lamp has been operated at full power for 5 minutes (timing automatically controlled internally by ballast) and when dimming does begin there is a short delay before final dimming level is reached. Additionally after deep dimming of 35%, lamp will take a few seconds to recover back to full power.