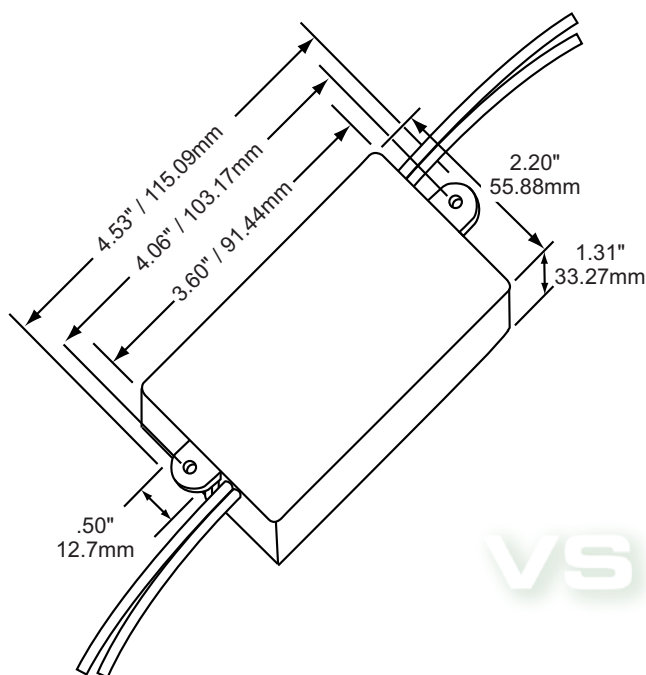
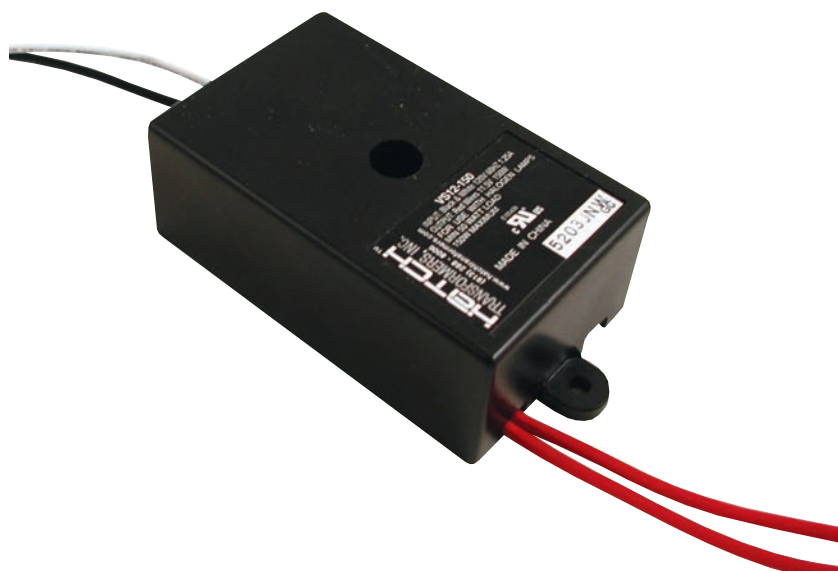


HATCH™

105 AND 150 WATT "V" SERIES HARDWIRE ELECTRONIC TRANSFORMER



Electronic Low Voltage Transformer:

- High Reliability
- Moisture and Shock Resistant
- Emits No Audible Noise
- Low Harmonic Distortion
- High Power Factor
- Lightweight, Compact Design
- Works with most commercially available dimmers. Hardwire electronic dimmers are recommended for optimum performance

Environmental Specifications

Maximum Case Temperature	80°C
Sound Rating	A+
Operating Humidity	95% relative humidity, non-condensing
Environmental Protection	Epoxy sealed for moisture resistance and shock vibration resistance

Electrical/Mechanical Specifications

Input	120 V 50/60 Hz
Enclosure Material	UL Flame Retardant, High Temperature, Engineering Resin
Color	Black
Weight	.5 oz.
Power Factor	> 0.95
Operating Frequency	25 KHz
Total Harmonic Distortion	≤ 20%
Safety Standard	UL US
Input Leads	6", 18AWG stranded, 105 degree C stripped 3/8" tinned
Output Leads	6", 18AWG stranded, 105 degree C stripped 3/8" tinned

Soft Start Circuitry

All models of Hatch low-voltage transformers utilize a soft start circuitry to maximize lamp life. The soft start circuit ramps up the lamp filament voltage slowly when the lamp is cold.

Electronic Short-Circuit Protection

All Hatch low-voltage transformers employ our (ESP) Electronic Short Circuit and over load Protection. The ESP sensing circuit will instantly shut down the output before any of the components are stressed if a short circuit or over load is detected. The transformer will automatically reset as soon as the fault is corrected.



VS 105/150 WATT

H A R D W I R E E L E C T R O N I C

Max Watts	Min Watts	Input Volts	Output Volts	Input Amps	Output Amps	Case Style	Hatch Item No.	Safety Listing
105	50	120	11.5	0.88	9.2	1	VS12-105J	UL / C-UL Recognized
150	50	120	11.5	1.25	12.9	1	VS12-150J	
			20.0	1.25	5.5	1	VS21-150AF	
			23.5	1.25	6.4	1	VS24-150J	

* Must use a minimum of 50 watts when using a dimmer.

W I R I N G D I A G R A M S

