

## 150 Watt Hardwire Electronic Transformers



### Features:

- Low Harmonic Distortion
- High Power Factor
- High Reliability
- 100% Factory Tested
- Emits No Audible Noise
- UL Recognized
- Custom Designs to OEM Specs. Avail.
- Lightweight and Compact Design
- Electronic Short Circuit Protection
- Compatible With Most Incandescent Dimmers
- Moisture and Shock Resistant

### 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 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 short is corrected.

### Dimming Capability

Full range wall dimming can be obtained with the use of most commercial triac incandescent dimmers.

### Electrical/Mechanical Specifications

<b>Enclosure Material</b>	UL recognized, flame retardant, high temperature, engineering resin	<b>Operating Frequency</b>	25 KHz
<b>Color</b>	Black	<b>Total Harmonic Distortion</b>	≤ 20%
<b>Weight</b>	9.5 oz.	<b>Safety Standard</b>	UL Recognized, CSA Certified, or C-UL
<b>Power Factor</b>	>.95	<b>Input Leads</b>	6", 18 AWG stranded, 105 degree C stripped, 3/8" tinned
		<b>Output Leads</b>	6", 16 AWG stranded, 105 degree C stripped, 3/8" tinned

(Custom Output Cord and Connectors Available. Consult Factory)

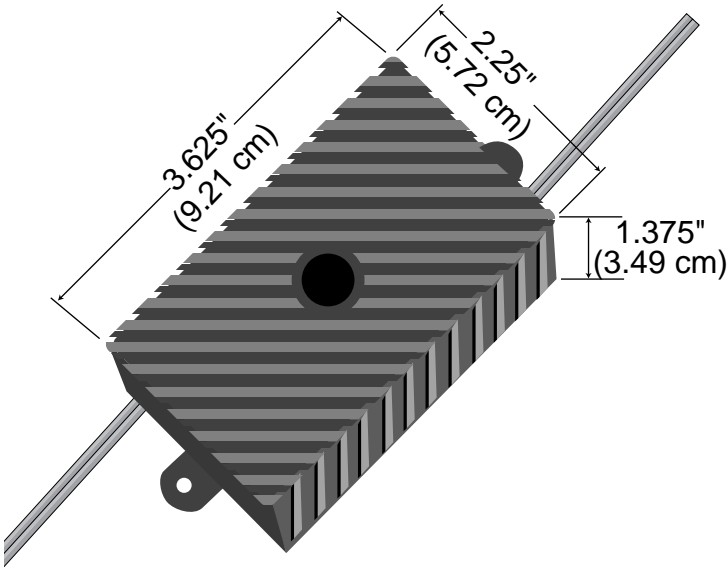
### Environmental Specifications

<b>Maximum Operating Case Temperature</b>	75° C	<b>Environmental Protection</b>	Epoxy Sealed for moisture resistance
<b>Sound Rating</b>	A	<b>NO PCBs</b>	
<b>Operating Humidity</b>	95% relative humidity, non-condensating		

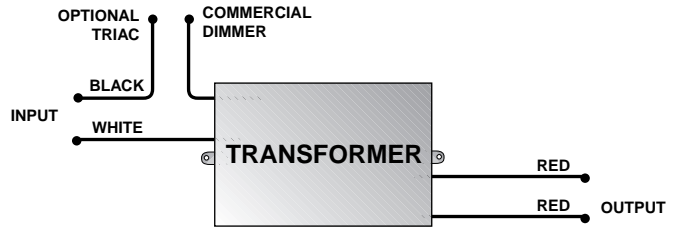
HATCH MODEL NO.	OUTPUT VOLTAGE	WATTS	AMPS		SAFETY LISTING
			INPUT	OUTPUT	
VS12-105J	11.5V	20-105	0.88A	9.2A	UL Recognized, CSA Certified or C-UL
VS12-150J	11.5V	50-150	1.25A	12.9A	UL Recognized, CSA Certified or C-UL
VS24-105J	23.5V	20-105	0.88A	4.5A	UL Recognized, CSA Certified or C-UL
VS24-150J	23.5V	50-150	1.25A	6.4A	UL Recognized, CSA Certified or C-UL

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## Dimensions



## Wiring Diagram



## Footprint (actual size)

