

Low Voltage Electronic Transformers

Transformers
up to **75 watts**



Features:

- Low Harmonic Distortion
- High Reliability
- Emits No Audible Noise
- UL Class 2 Rating on 60 Watt Models
- Custom Designs to OEM Specifications Available
- Lightweight and Compact Design
- Electronic Short Circuit Protection
- Compatible With Most Incandescent Dimmers
- Moisture and Shock Resistant
- Special Mounting Brackets for Recessed Fixtures (JBA Adaptor)
- High Power Factor
- 100% Factory Tested
- UL Recognized

Soft Start Circuitry

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

Dimming Capability

Full range wall dimming capability is available with most inexpensive incandescent dimmers. Extra wires are provided on "WD" models for local dimming with a potentiometer for use on desk lamps and furniture lights.

Quick Stick Mounting

60W and 75W models employ high temperature 3M double stick tape for quick, permanent mounting to any clean surface.

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.

Electrical/Mechanical Specifications

Enclosure Material	UL recognized, flame retardant, high temperature, engineering resin	Operating Frequency	25 KHz
Color	Black	Total Harmonic Distortion	≤ 20%
Weight	4 oz.	Safety Standard	UL Recognized, (Class 2- up to 60 watt only) CSA Certified or C-UL
Power Factor	>.95	Input Leads	6", 18 AWG stranded, 105 degree C stripped, 3/8" tinned
		Output Leads	6", 18 AWG stranded, 105 degree C stripped, 3/8" tinned

Environmental Specifications

Maximum Operating Case Temperature	80° C	Environmental Protection	Epoxy Sealed for moisture resistance
Sound Rating	A		
Operating Humidity	95% relative humidity, non-condensating	NO PCBs	

INPUT VOLTAGE	HATCH MODEL NO.	OUTPUT VOLTAGE	WATT	AMPS INPUT	AMPS OUTPUT	WIRE DIA.	SAFETY LISTING
120 Volt Primary	VS12-60W	11.5V	60	0.52A	5.20A	A	UL Recognized, Class 2, CSA or C-UL
	VS12-60WD	11.5V	60	0.52A	5.20A	A or B	UL Recognized, Class 2, CSA or C-UL
	VS12-75W	11.5V	75	0.63A	6.25A	A	UL Recognized, CSA or C-UL
	VS12-75WD	11.5V	75	0.63A	6.25A	A or B	UL Recognized, CSA or C-UL
	VS24-60W	23.5V	60	0.52A	2.60A	A	UL Recognized, Class 2, CSA or C-UL
230 Volt Primary	VE12-60W	11.5V	60	0.26A	5.20A	A	
	VE12-75W	11.5V	75	0.27A	6.25A	A	
240 Volt Primary	VM12-60W	11.5V	60	0.24A	5.20A	A	
	VM12-75W	11.5V	75	0.27A	5.20A	A	
277 Volt Primary	VJ12-75W	11.5V	75	0.27A	6.25A	A	UL Recognized

Junction Box Adaptor

JBA-75 Used to mount Transformer to a standard 1/2" knockout in a junction box

(Custom Output Cord and Connectors Available. Consult Factory)

HATCH
TRANSFORMERS, INC.

Electronic Transformers and Ballasts
for the Lighting Industry

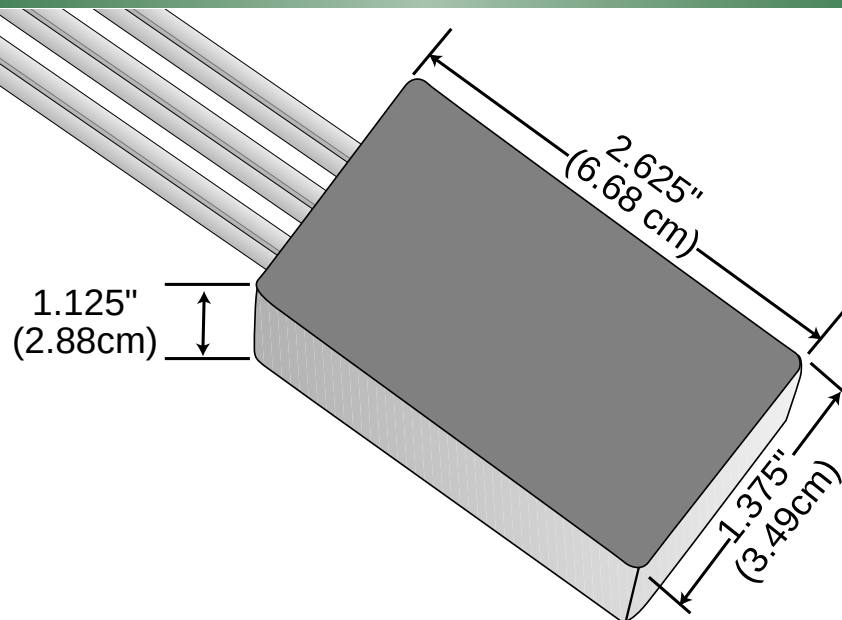
Warranty length and conditions -
(5) years. Maximum case temperature 80°C

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www.hatchtransformers.com

*Specifications subject to change without notice
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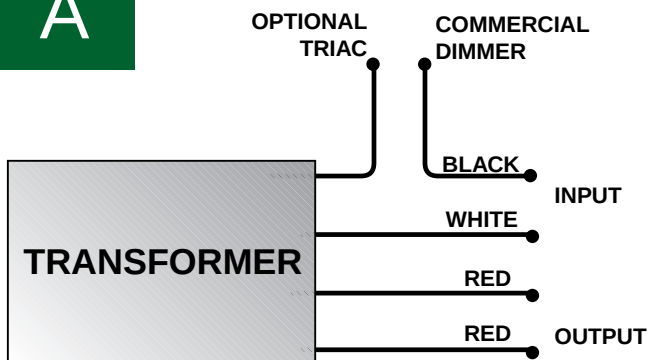
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Dimensions

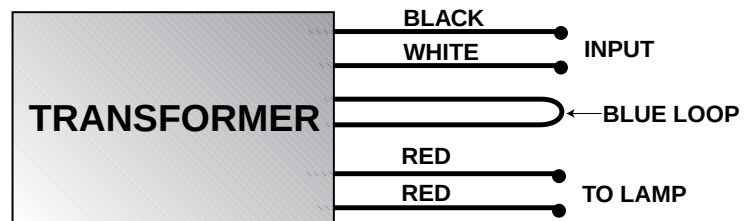


Wiring Diagrams

A



B



BLUE LOOP DIMMING

Cut loop, insert 1 megohm linear taper potentiometer
(Please call our applications engineer for potentiometer
recommendations and applications)

C

JBA-75 Junction Box Adaptor

The JBA allows the VS series, up to 75 watts, to be mounted externally to a 1/2" knockout in the junction box of a recessed fixture. The JBA allows more wiring room and eliminates the need for a transformer box. The resulting fixture is lighter and smaller.



The VS12 Series Snap Fits into the JBA-75 Easily

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