

Electronic Transformers

300 WATT "RS" SERIES ELECTRONIC TRANSFORMERS



RS12-300

Electrical/Mechanical Specifications

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.

Note: Instant Start on Hot Lamp Re-Strike

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.

300 Watt RS Series




Electronic Low Voltage Transformer Product Features:

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

Environmental Specifications

Maximum Case Temperature	80°C
Minimum Starting Temperature	-30°C
Sound Rating	A+
Operating Humidity	95% relative humidity, non-condensating
Environmental Protection	Epoxy Sealed for moisture resistance and shock/vibration resistance
Safety Listing	 Class P Type 1 outdoor

Electrical/Mechanical Specifications

Input	120V AC or 277V AC - 50/60 Hz
Output	11.5 VAC
Enclosure Material	Metal
Weight	12.8 oz.
Power Factor	> 0.95
Operating Frequency	25 KHz
Total Harmonic Distortion	≤ 20%
Safety Standard	  
Input Leads6", 18AWG stranded, 105 degree C stripped 3/8" tinned
Output Leads6", 12AWG stranded, 105 degree C stripped 3/8" tinned



Hatch Transformers, Inc.

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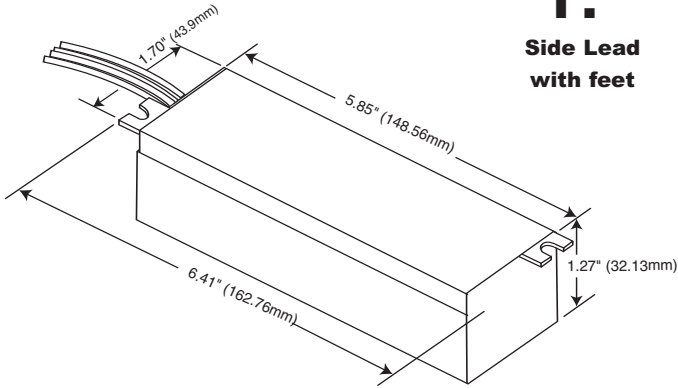
Electronic Transformer

300 Watt RS Series

DIMENSIONS

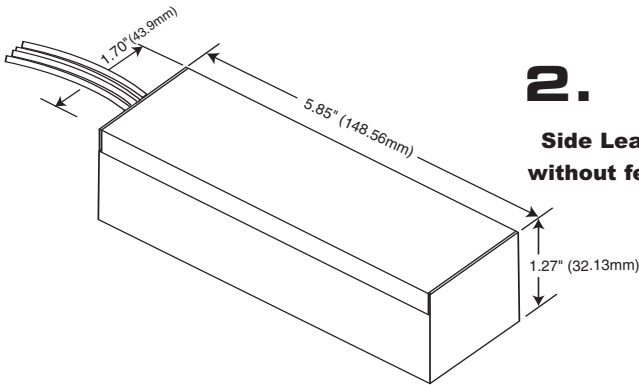
1.

Side Lead with feet



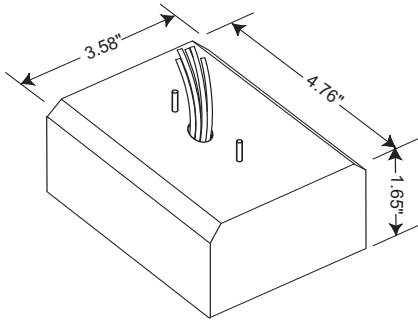
2.

Side Lead without feet



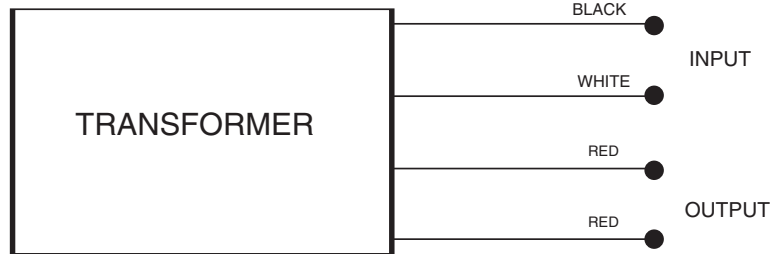
3.

Bottom Feed



WIRING DIAGRAMS

DIAGRAM A



HARDWIRE ELECTRONIC

Max Watts	Min Watts	Input Volts	Input Amps	Output Volts	Output Amps	Case Style	Wiring Dia.	Hatch Item No.	Safety Listing
300	50	120	2.5	11.5	26.1	1	A	RS12-300	UL/C-UL Recognized
						2	A	RS12-300N	
		277	1.08			3	A	RS12-300BF*	
						1	A	RS12-300-277	

*UL pending, please consult factory.

Note: Must use a minimum of 75 watts when using dimmers.

Specifications subject to change without notice. 11/08



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