

ELECTRONIC LOW VOLTAGE TRANSFORMER

Input Voltage	120VAC, 277VAC - 50-60Hz
Output	11.5 VAC
Enclosure Material	Aluminum
Weight	4 oz.
Power Factor	> 0.95
Operating Frequency	25KHz
Total Harmonic Dstortion	≤ 20%
Input	6", 18AWG stranded, 105 degree C stripped 3/8" tinned
Output	6", 18AWG stranded, 105 degree C stripped 3/8" tinned

ENVIRONMENTAL SPECIFICATIONS:

Maximum Case Temperature	90°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

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.

APPROVALS:

- Rated for Dry and Damp Locations



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

ELECTRICAL FEATURES:

Electronic Short-Circuit Protection

All hatch low-voltage transformers employ our (ESP) Electronic Short Circuit and overload 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.

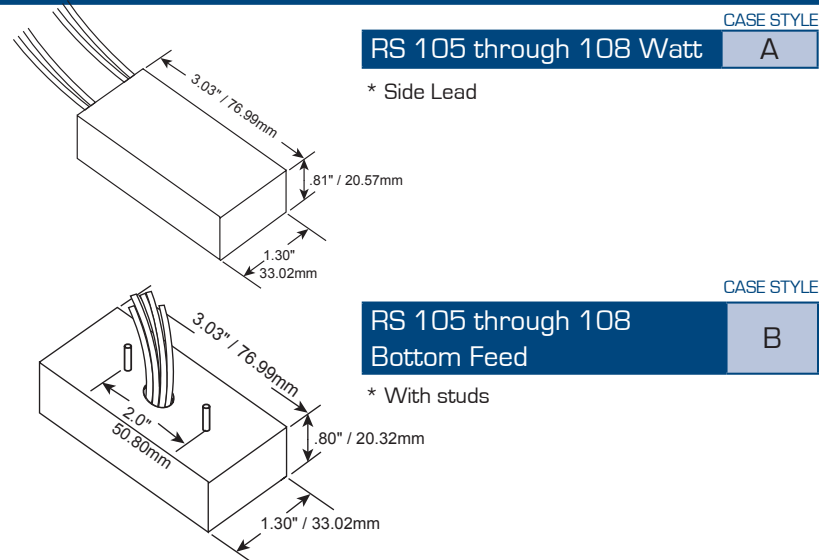
HARDWIRE ELECTRONIC

Max Watts	Min Watts	Hatch Part Number	Input Volts	Output Volts	Input Amps	Output Amps	Case Style	Wiring Diagram	Safety Listing
105	5	RS12-105	120	11.5	0.88	9.13	A	I	UL/C-UL Recognized
		RS12-105BF					B		
		RS12-105GN					277	0.38	
		RS12-105-277*	A	I					
		RS12-105-277BF*	B						
108 Watt									
108	5	RS12-108	120	11.5	0.90	9.4	A	I	UL/C-UL Recognized
		RS12-108BF		23.5		4.6	B		
		RS24-108**	277	11.5	0.39	9.4	A		
		RS12-108-277BF*							

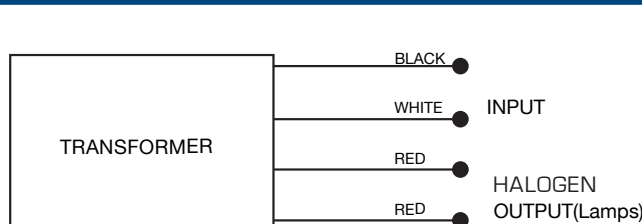
* NOTE: Must use a minimum of 10 watts when using dimmers. It is also important to confirm dimming controls compatibility with the manufacturer and your Hatch representative.

** UL Pending 277 Volt dimming not recommended.

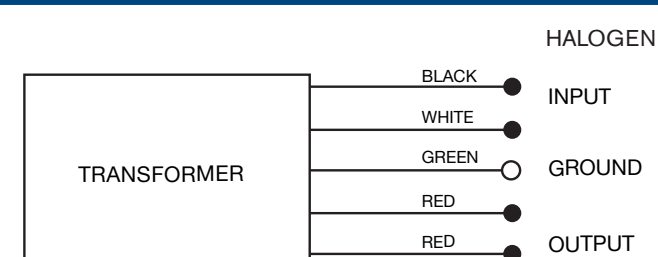
DIMENSIONS:



WIRING DIAGRAM I:



WIRING DIAGRAM II:



Mouser Electronics

Authorized Distributor

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[Hatch Lighting:](#)

[RS12-105](#) [RS12-105-277](#) [RS12-105BF](#) [RS12-108](#) [RS12-108BF](#)