SERIES RS Hardwire Transformers 60 & 80 Watt Models

ELECTRONIC LOW VOLTAGE TRANSFORMER

Input Voltage	120Vac, 277VAC or 230VAC - 50-60Hz			
Output	11.5 VAC or 23.5 VAC			
Enclosure Material	Aluminum			
Weight	0.21 lbs			
Power Factor	> 0.95			
Operating Frequency	25KHz			
Total Harmonic Distortion	≤ 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				

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PRODUCT FEATURES :	APPROVALS:	ELECTRICAL 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.	- Class P Type 1 Outdoors - Class 2 Approved	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 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.				

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Max Watts	Min Watts	Hatch Part Number	Input Volts	Output Volts	Input Amps	Output Amps	Case Style	Wire Diagram	Safety Listing
60	5	RS12-60M	120 1	11.5	0.5	5.3	Α	I	UL/C-UL Recognized, Class 2
		RS12-60MWD					D	II	
		RS12-60-BF					В	I	
80 Watt									
	5	RS12-80	120	11.5	0.67	7.0	Α	I	
80		RS12-80MG					А	IV	
		RS12-80MGN					А	IV	
		RS12-80MWD					D	III	
		RS12-80BFS					В	I	UL/C-UL
		RS12-80-230	230		0.35	7.0	Α	I	Recognized
		RS12-80-277*		11.5	0.29	7.0	Α	I	
		RS12-80-277WD*	277				D	III	
		RS12-80-277BF*					С	I	

^{*} NOTE: Must use a minimum of 20 watts when using dimmers. It is also important to confirm dimming controls compatibility with the manufacturer and your Hatch representative. 277 Volt dimming is not recomended.

DIMENSIONAL & WIRE DIAGRAMS CAN BE FOUND ON PAGE 2

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