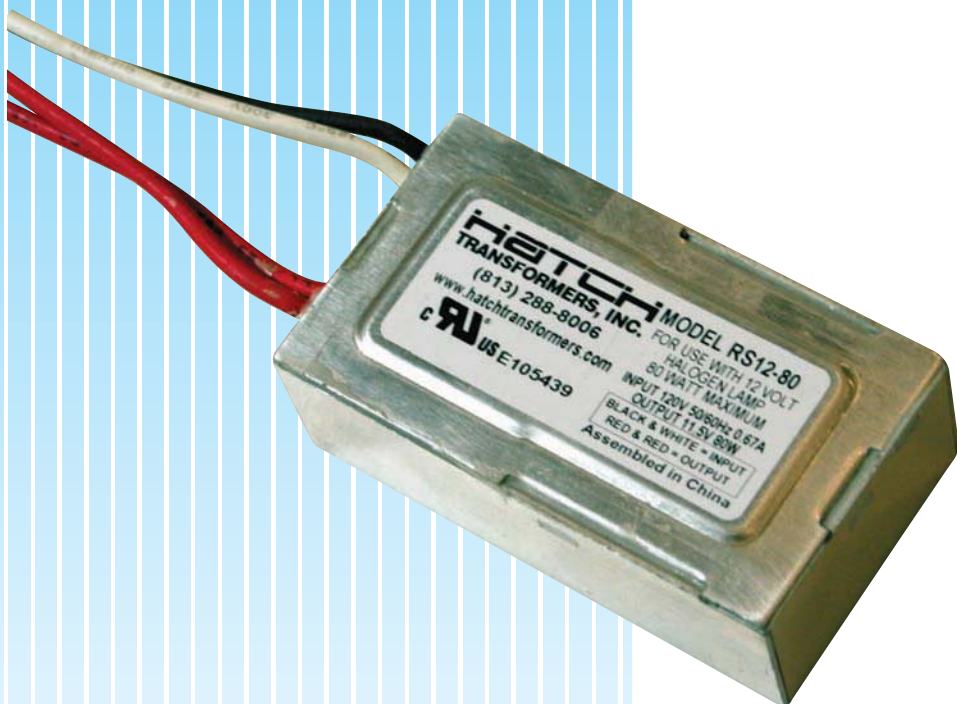


Electronic Transformers

60 & 80 WATT "RS" SERIES ELECTRONIC TRANSFORMERS



RS12-60 & RS12-80

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.

NOTE: High temperature 3M double sided tape available for use with side lead models only for mounting transformer to enclosure.

60 & 80 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.

(See notes on back page.)

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
Safety Listing	Class P Type 1 outdoor

* Does not apply to RS 12-80-277 which is 80°C

Electrical/Mechanical Specifications

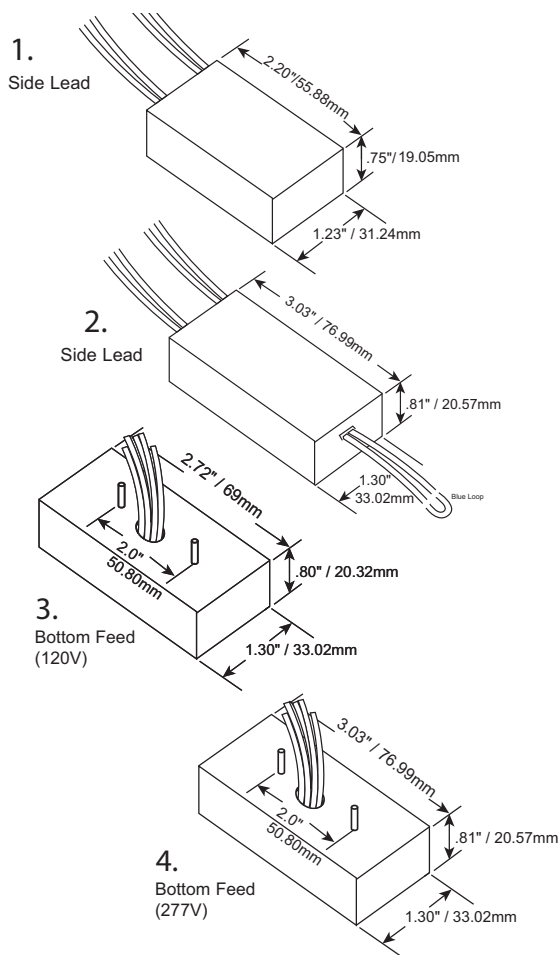
Input	120VAC, 277VAC or 230VAC - 50/60 Hz
Output	11.5 VAC or 23.5 VAC
Enclosure Material	Metal
Weight	2.4 oz.
Power Factor	> 0.95
Operating Frequency	25 KHz
Total Harmonic Distortion	≤ 20%
Safety Standard	UL US (Class 2-up to 60 Watt only)
Input Leads	6", 18AWG stranded, 105 degree C stripped 3/8" tinned
Output Leads	6", 18AWG stranded, 105 degree C stripped 3/8" tinned

hatch

Electronic Transformer

60 & 80 Watt RS Metal Series

DIMENSIONS



WIRING DIAGRAMS

DIAGRAM A

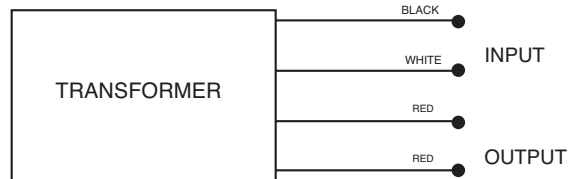


DIAGRAM B

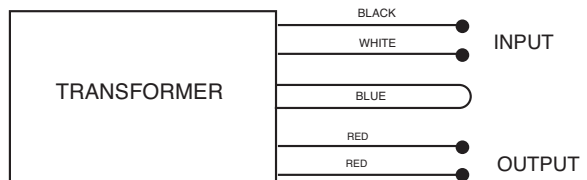
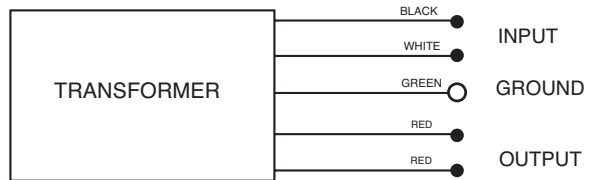


DIAGRAM C



Note: RS12-80MGN model has no terminal but has grounding wire.

WD MODELS HAVE DIMMING LOOP

(WD Models have dimming loop for use with 1 meg ohm potentiometer versus line side dimmer controls)

HARDWIRE ELECTRONIC

Max Watts	Min Watts*	Input Volts	Input Amps	Output Volts	Output Amps	Case Style	Wiring Dia.	Hatch Item No.	Safety Listing
60	5	120	0.50	11.5	5.3	1	A	RS12-60	UL/C-UL Recognized, Class 2
							B	RS12-60MWD	
							A	RS12-60-BF	
80	10	120	0.67	11.5	7.0	1	A	RS12-80	UL/C-UL Recognized
						1	C	RS12-80MG	
						1	C	RS12-80MGN	
						1	B	RS12-80WD	
						3	A	RS12-80BF	
		230	0.35	11.5	7.0	1	A	RS24-80	
						1	A	RS12-80-230	
		277	0.29	11.5	7.0	1	A	RS12-80-277	
						2	B	RS12-80-277WD	
						4	A	RS12-80-277BF	

*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; dimming of 277V is not recommended.

HATCH

Specifications subject to change without notice. 1011