

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-condensing |
| Environmental Protection | Epoxy Sealed for moisture resistance and shock/vibration resistance |
| Safety Listing |  Class P Type 1 outdoor |

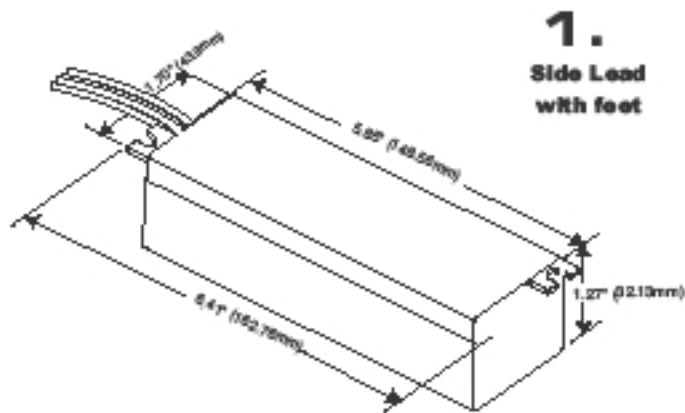
Electrical/Mechanical Specifications

| | |
|----------------------------------|---|
| 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 Leads |6", 18AWG stranded,105 degree C stripped "W" binned |
| Output Leads |6", 12AWG stranded,105 degree C stripped "W" binned |

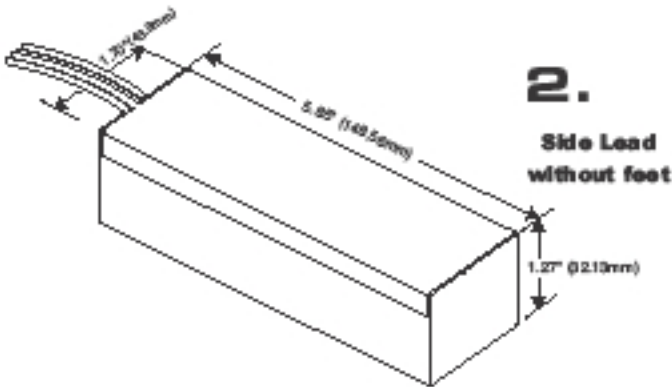
Electronic Transformer

300 Watt RS Series

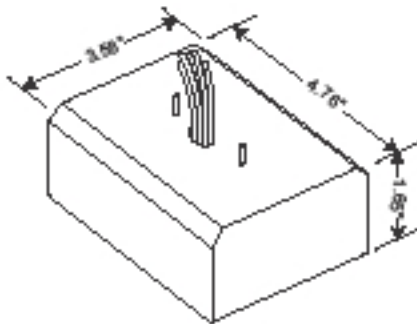
DIMENSIONS



1.
Side Lead
with feet



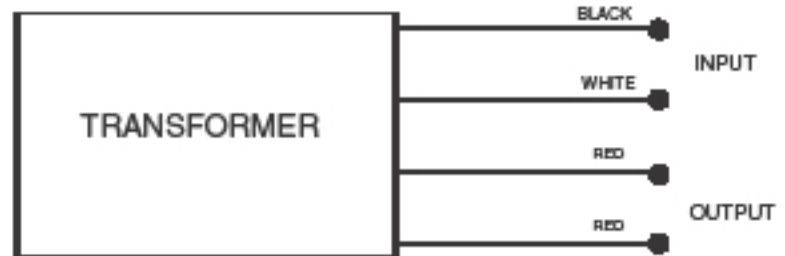
2.
Side Lead
without feet



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

HATCH