

### ELECTRONIC LOW VOLTAGE TRANSFORMER

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

### ENVIRONMENTAL SPECIFICATIONS:

|                                     |                                                                           |
|-------------------------------------|---------------------------------------------------------------------------|
| <b>Maximum Case Temperature</b>     | 90°C                                                                      |
| <b>Minimum Starting Temperature</b> | -30°C                                                                     |
| <b>Sound Rating</b>                 | A+                                                                        |
| <b>Operating Humidity</b>           | 95% relative humidity,<br>non-condensating                                |
| <b>Environmental Protection</b>     | Epoxy Sealed for moisture<br>resistance and shock/vibration<br>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:

- Class P Type 1  
Outdoors



### 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

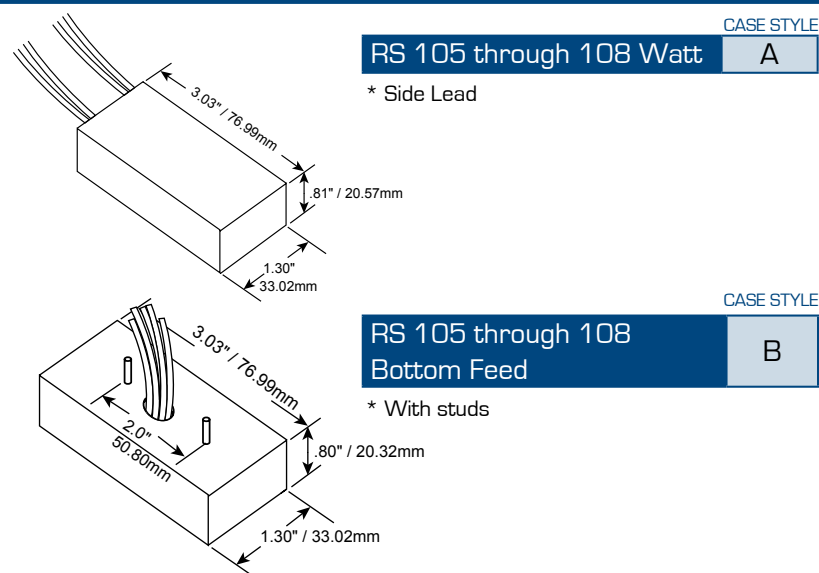
All hatch low-voltage transformers employ our (ESP) Electronic Short Circuit and overload Protection. The ESP sensing circuit will instantly shut down the output before any of the components are stressed if a short circuit or over load is detected. The transformer will automatically reset as soon as the fault is corrected.

### HARDWIRE ELECTRONIC

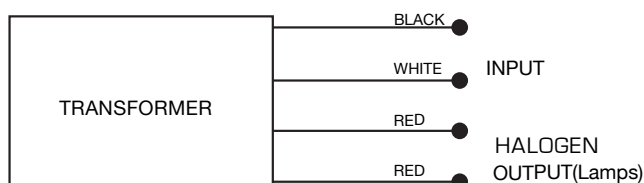
| Max Watts | Min Watts | Hatch Part Number | Input Volts | Output Volts | Input Amps | Output Amps | Case Style | Safety Listing        |
|-----------|-----------|-------------------|-------------|--------------|------------|-------------|------------|-----------------------|
| 105       | 5       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

\* 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 not recommended.

### DIMENSIONS:



### WIRING DIAGRAM:



### NOTES: