

# Electronic Transformers

## 300 WATT RS "KO" SERIES ELECTRONIC TRANSFORMERS



**RS12-300 KO**

### 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-KO 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

<b>Maximum Case Temperature</b>	80°C
<b>Minimum Starting Temperature</b>	-30°C
<b>Sound Rating</b>	A+
<b>Operating Humidity</b>	95% relative humidity, non-condensing
<b>Environmental Protection</b>	Epoxy Sealed for moisture resistance and shock/vibration resistance
<b>Safety Listing</b>	 Class P Type 1 outdoor

### Electrical/Mechanical Specifications

<b>Input</b>	.....120VAC - 50/60 Hz
<b>Output</b>	.....11.5 VAC or 23.5 VAC
<b>Enclosure Material</b>	.....Metal
<b>Weight</b>	.....29 oz.
<b>Power Factor</b>	.....> 0.95
<b>Operating Frequency</b>	.....25 KHz
<b>Total Harmonic Distortion</b>	.....≤ 20%
<b>Safety Standard</b>	..... 
<b>Input</b>	.....2 input connector, .....accepting 14-22 AWG wire types
<b>Output</b>	.....3 output connector, .....accepting 14-22 AWG wire types

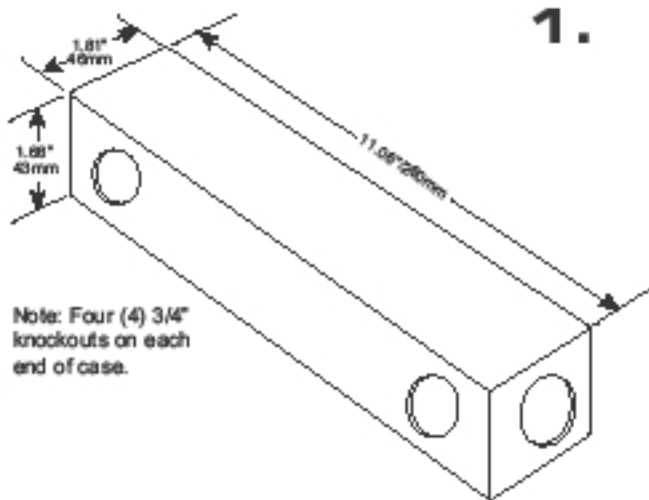
Note: 1 connector for ground

# HATCH

# Electronic Transformer

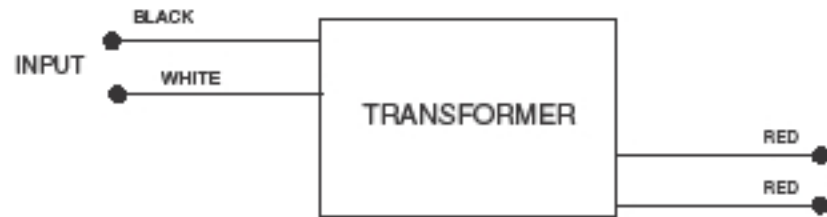
## 300 Watt RS Series

### DIMENSIONS



### WIRING DIAGRAMS

DIAGRAM A



### HARDWARE 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	RS12-300KO	UL/C-UL Listed
				23.5	12.8	1	A	RS24-300KO	

\*Note: Must use a minimum of 75 watts when using dimmers.

Specifications subject to change without notice. 04001

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