



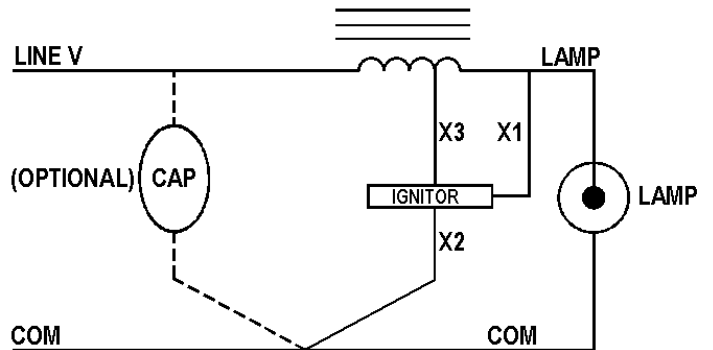
HOWARD INDUSTRIES, INC.  
Magnetic Ballast Products Division

Model: S0100-02C-111  
HPS Reactor Ballast

100 Watts  
S-54  
60 Hz Reactor

Input Volts	120 NPF	120 HPF
<b>Circuit Type</b>	Reactor	
<b>Power Factor</b>	>0.9 w/ Cap	
<b>Regulation</b>		
Line Volts	± 5 %	
Lamp Watts	Within Trapezoid	
<b>Line Current (Amps)</b>		
Operating	2.20	1.10
Open Circuit	0	1.65
Starting	3.00	1.50
Recommended Fuse	10	5
<b>UL Temperature Ratings</b>		
Insulation Class	H (180°C)	
Coil Temperature Code	A	A
Benchtop Coil Rise	70	70
<b>Input Watts</b>	115	115
<b>NOM Open Circuit Volts</b>	120	
<b>Current Crest Factor</b>	1.55	
<b>Input Voltage at Lamp Dropout</b>	60	60
<b>Min Ambient Starting Temp.</b>	-40°F -40°C	
<b>High Potential Test (Volts)</b>		
1 Minute	1240	
1 Second	1490	
<b>Open Circuit Voltage Test (Volts)</b>		
Open Circuit Voltage	114 - 126	
Input Current	min	1.20
	max	2.10
<b>Short Circuit Current Test (Amps)</b>		
Secondary Current	2.30 - 3.60	
Input Current	min	2.30
	max	3.60
<b>Core and Coil Specifications</b>		
Dimension A"	1.54"	
Dimension B"	2.60"	
Weight (lbs.)	2.5	
Lead Lengths (in)	12	
<b>Capacitor Specifications</b>		
Microfarads	46.0	
Volts (min.)	120	
	<b>Oval OIL Filled</b>	<b>DRY Film</b>
Case Size (in.)	1.77 x 2.8	1.77
Height ( in.)	3.54	4.61
Temp Rating °C	90	100
<b>Starter Specifications</b>		
Model Number	ST2001	
BTL	2	
Temp Rating °C	105	

Wiring Diagram Number 1091-912000-004



Outside Dimensions Drawing TBA  
ISO-View of Core Coil TBA

Oil Capacitor Can Drawing 1011-007500-003  
Dry Capacitor Can Drawing 1012-007500-001  
Starter Case Drawing 1090-912001-001



Rev Date: New 3/29/04

Test Num. Ref.:

Specifications subject to change without notice.

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