



Thomas Research Products

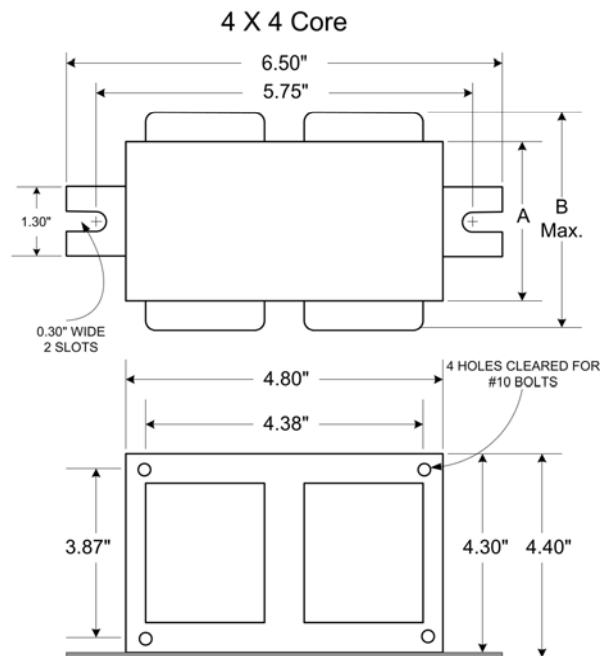
Innovative & Energy Saving Lighting Controls

Catalog Number: THPS-400X-Q-HP-B

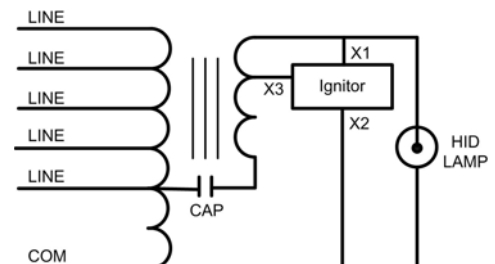
**High Pressure Sodium Ballast
400W S51 Lamps
Quad-Volt Input - 60 Hz - CWA Circuit**

Input Volts	120	208	240	277	
Line Current (Amps)					
Operating	4.00	2.40	2.10	1.70	
Open Circuit	1.80	1.05	0.90	0.80	
Starting	3.40	2.00	1.70	1.50	
UL Temperature Ratings					
Insulation Class	H-180°C				
Coil Temperature Code	UL 1029 C				
Power Factor (Min)	90%				
Regulation					
Line Volts	± 10%				
Line Watts	± 10%				
Input Watts	465 W				
Min Ambient Starting Temp	-30°C				
Open Circuit Voltage (OCV)	190 V				
Recommended Fuse	15	8	8	5	
Core and Coil Dimensions					
Dimension A	2.31"				
Dimension B	4.14"				
Weight (lbs)	13.6 lbs				
Lead Length	12"				
Capacitor Information					
MFD Rating	55MFD				
Voltage Rating	300V				
Capacitor Style	Dry Film				
60 Hz Test Procedures					
Open Circuit Voltage Test (OCV)	170-210V				
Short Circuit Current Test - Output	6.00-7.40				
Short Circuit Current Test - Input	3.00-3.60	1.75-2.10	1.50-1.80	1.30-1.60	

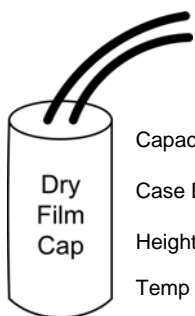
Dimensional Drawing



Wiring Diagram

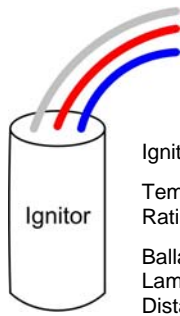


Capacitor Detail



Capacitance: 55 MFD
Case Dia.: 1.75"
Height: 3.25"
Temp Rating: 90 °C

Ignitor Detail



Ignitor TXG-02
Temp Rating 105°C
Ballast-to Lamp Distance 10 feet

Notes and Photo



01-13-08