

**CAUTION: Electrodes are terminals of live electrical circuits and must be installed to prevent accidental contact by personnel. Control power must be disconnected before servicing.**

**\*\*\*\*A GOOD DEPENDABLE RETURN GROUND CONNECTION TO LIQUID IS REQUIRED\*\*\*\***

### SPECIFICATIONS

#### Input Voltage:

110 to 600 VAC 50/60 Hz

#### Power Consumption:

9 Volt-Amperes Max.

#### Contact Rating:

25 Amps Resistive at 120, 240, or 480 VAC

1 HP Single Phase at 120 or 240 VAC

Heavy Duty Pilot 120 to 600 VAC

2 Amps Resistive at 120 VDC

10 Amps Resistive at 48 VDC

#### Ambient Temperatures:

-20° F to 150° F

-28.8° C to 65.5° C

#### Coil Insulation:

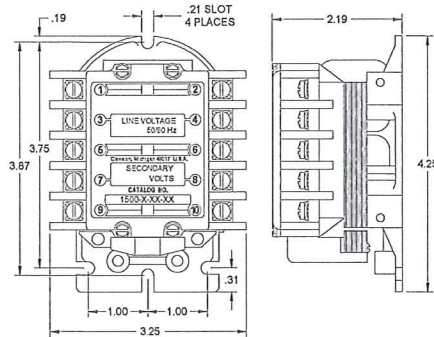
Class "B"

#### Output Contact Arrangement:

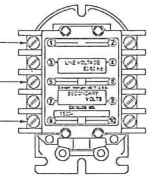
Available in 1, 2, and 3 pole N.O. and/or N.C.

Configurations as shown in diagram.

### DIMENSIONAL DATA



	CONTACT ARRANGEMENT CODE									
	A	B	C	D	E	F	G	H	J	
	1N.C.	1N.C.	2N.O.	1N.O.	1N.O.	2N.C.	3N.O.	2N.O.	1N.C.	2N.C.
TOP CONTACT TERMINALS 1 & 2										
MIDDLE CONTACT TERMINALS 5 & 6										
BOTTOM CONTACT TERMINALS 9 & 10										



Series 1500 -----> 1500 - A - L1 - S7 - N1 - X

#### Contact Arrangement

A, B, C, D, E, F, G, H, J (See Chart Above)

#### Supply Line Voltage

L1 (110-120 VAC 50/60 Hz), L2 (208-240 VAC 50/60 Hz), L3 (440-480 VAC 50/60 Hz), L4 (550-600 VAC 50/60 Hz), L5 (120/240) VAC 50/60 Hz

#### Secondary Coil Voltage

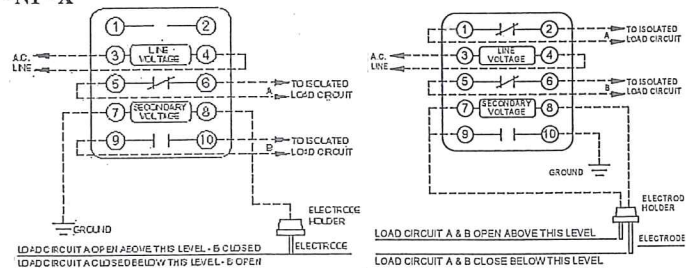
S1 (12 V), S2 (24V), S3 (40V), S4 (90V), S7 (220V), S8 (360V), S9 (480V), S11 (800V)

#### Enclosure Type

OC (Open Chassis), N1 (NEMA 1), N4 (NEMA 4), N4X (NEMA 4 Fiberglass), N7 (NEMA 7), N12 (NEMA 12)

#### Additional Options

X (None). M (Manual Rest Relay)



**B/W Series 1500 Induction relays are a direct replacement for the OBSOLETE Warrick Series 1 control. Please note: The Series 1500 relay has line voltage (supply) connection on terminals 3 & 4, liquid ground on 7 or 10. Review both charts shown, above for B/W wiring and below for the obsolete Warrick Series 1. Contact your Local B/W Distributor or the Factory for the direct replacement control.**

[www.ametekapt.com](http://www.ametekapt.com)

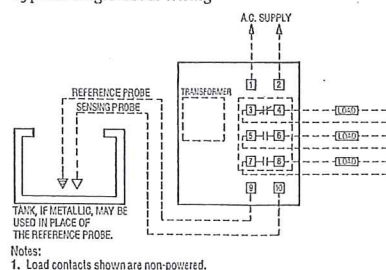
### Warrick Series 1 configuration and wiring diagram

#### How to Order

Use the Bold characters from the chart below to construct a product code.

Series 1		
<b>C</b> - 2 (N.O.), 0 (N.C.) <b>D</b> - 1 (N.O.), 1 (N.C.) <b>E</b> - 0 (N.O.), 2 (N.C.)	<b>F</b> - 3 (N.O.), 0 (N.C.) <b>G</b> - 2 (N.O.), 1 (N.C.) <b>H</b> - 1 (N.O.), 2 (N.C.)	<b>J</b> - 0 (N.O.), 3 (N.C.)
<b>1</b> - 115 VAC <b>2</b> - 230 VAC	<b>4</b> - 460 VAC <b>5</b> - 575 VAC	<b>6</b> - 115VAC/230VAC <b>7</b> - 24 VAC
Secondary Voltage (Sensitivity) <b>A</b> - 25 (50 Ω) <b>C</b> - 150 (1.5K Ω) <b>E</b> - 500 (20K Ω) <b>B</b> - 75 (450 Ω) <b>D</b> - 300 (7K Ω)		
Enclosure <b>0</b> - None <b>1</b> - NEMA 1 <b>4</b> - NEMA 4		

#### Typical Single Level Wiring



#### Typical Differential Wiring

