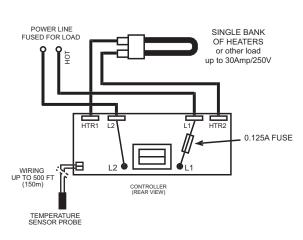
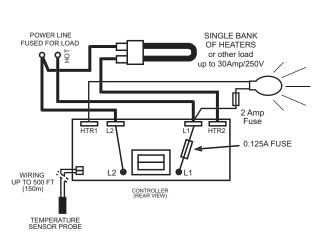


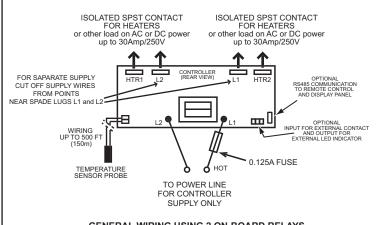
HEATERS OR OTHER LOAD USING EXTERNAL CONTACTOR



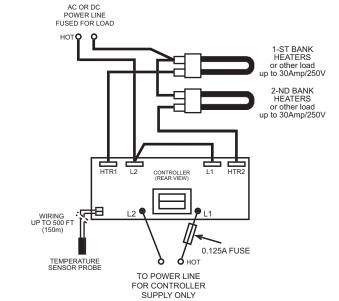
SIMPLE WIRING FOR **HEATERS OR OTHER LOAD** 



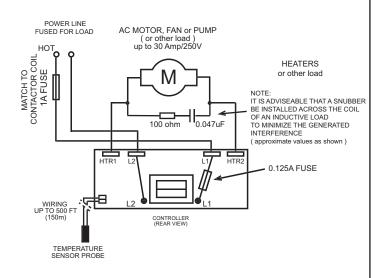
WIRING FOR LIGHT ( OR OTHER LOAD )
ON THE SAME POWER LINE AS HIGH POWER LOAD WITHOUT ADDITIONAL RELAY



**GENERAL WIRING USING 2 ON-BOARD RELAYS** AND WITH SEPARATE SUPPLY FOR CONTROLLER ( Loads are isolated from each other and from controller supply ) W2



ALTERNATE WIRING FOR HIGH POWER AC or DC LOADS IN TWO BANKS AND WITH SEPARATE SUPPLY FOR CONTROLLER **W4** ( Load is Isolated from controller supply )

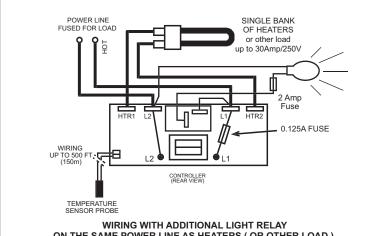


SIMPLE WIRING FOR HIGH POWER AC MOTOR (OR OTHER LOAD)

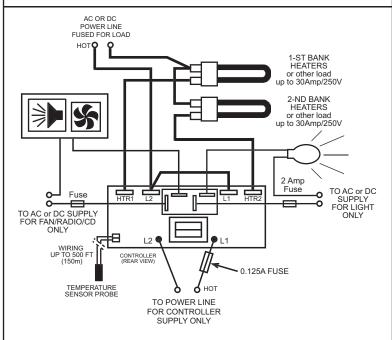
W6

W1

**W3** 



ON THE SAME POWER LINE AS HEATERS (OR OTHER LOAD) (Controller with optional Additional Auxilliary Relay)



## WIRING FOR:

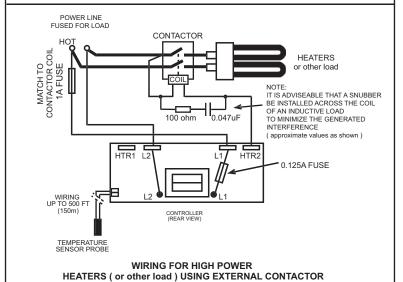
W10

**W7** 

- 1. AC or DC HIGH POWER HEATERS (or other load ) IN TWO BANKS
- 2. + SEPARATE AC or DC LIGHT CONTROL
- 3. + SEPARATE AC or DC FAN / RADIO / CD CONTROL
- 4. + SEPARATE SUPPLY FOR CONTROLLER

( Loads are isolated from each other and from controller supply )

**W9** (Controller with optional 2 Additional Auxilliary Relays)

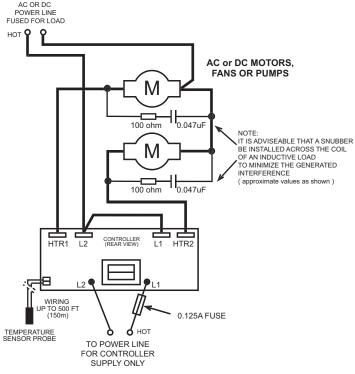


AND USING ONLY 1 ON-BOARD RELAY

POWER LINE FUSED FOR LOAD CONTACTOR HOT MATCH TO CONTACTOR COIL 1A FUSE HEATERS or other load IT IS ADVISEABLE THAT A SNUBBER BE INSTALLED ACROSS THE COIL 1 .047uF OF AN INDUCTIVE LOAD
TO MINIMIZE THE GENERATED 100 ohm INTERFERENCE ( approximate values as shown ) Fuse HTR1 L2 0.125A FUSE 日 CONTROLLER (REAR VIEW) TEMPERATURE SENSOR PROBE

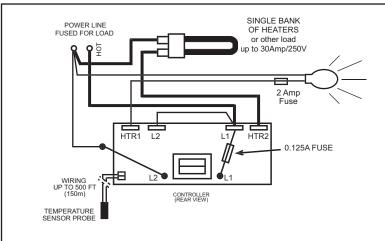
WIRING FOR VERY HIGH POWER HEATER ( OR OTHER LOAD ) **USING EXTERNAL CONTACTOR** AND FOR LIGHT ( OR OTHER LOAD )

**W8** 



WIRING FOR 2 HIGH POWER AC or DC MOTORS ( or other load ) AND WITH SEPARATE SUPPLY FOR CONTROLLER ( Load is isolated from controller supply )

W11 www.keracontrols.com

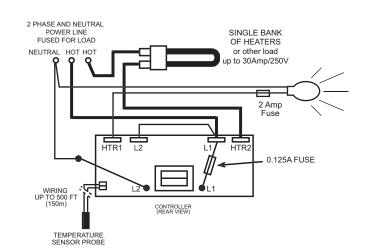


WIRING FOR LIGHT ( or other load ) ON THE SAME POWER LINE AS HEATERS ( or other high power load )
WITHOUT ADDITIONAL RELAY

## POWER LINE FUSED FOR LOAD **HEATERS** or other load up to 2 x 30Amp/250V HTR1 0.125A FUSE WIRING UP TO 500 FT (150m) CONTROLLER (REAR VIEW) TEMPERATURE SENSOR PROBE WIRING USING 3 PHASE POWER LINE

FOR HIGH POWER HEATERS ( or other load )

## W12

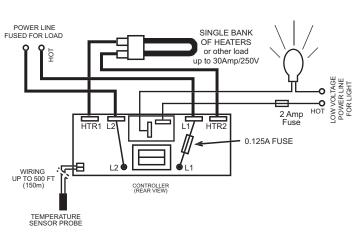


WIRING FOR LIGHT ( OR OTHER LOAD ) ON LOW VOLTAGE POWER LINE AND HEATERS (OR OTEHER LOAD) ON HIGH VOLTAGE POWER LINE

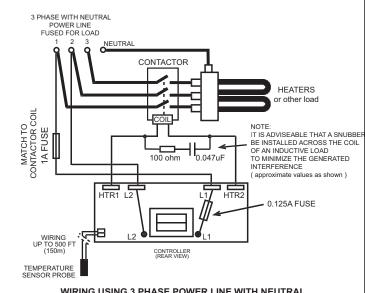
3 PHASE POWER LINE FUSED FOR LOAD CONTACTOR **HEATERS** or other load MATCH TO CONTACTOR COIL 1A FUSE NOTE IT IS ADVISEABLE THAT A SNUBBER BE INSTALLED ACROSS THE COIL OF AN INDUCTIVE LOAD 0.047uF 100 ohm TO MINIMIZE THE GENERATED INTERFERENCE ( approximate values as shown ) HTR1 L2 HTR2 - 0.125A FUSE 日 WIRING UP TO 500 FT (150m) CONTROLLER (REAR VIEW) TEMPERATURE SENSOR PROBE

> WIRING USING 3 PHASE POWER LINE FOR VERY HIGH POWER HEATERS ( or other load ) **USING EXTERNAL CONTACTOR**

## W14



WIRING FOR LIGHT ( OR OTHER LOAD ) ON LOW VOLTAGE POWER LINE AND HEATERS ( OR OTEHER LOAD ) ON HIGH VOLTAGE POWER LINE AND WITH OPTIONAL, ADDITIONAL AUXILIARY RELAY



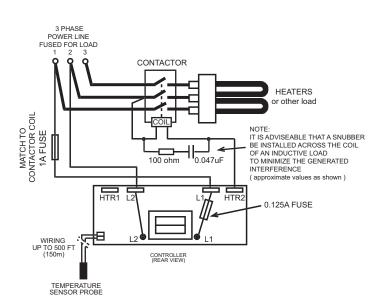
WIRING USING 3 PHASE POWER LINE WITH NEUTRAL FOR VERY HIGH POWER HEATERS ( or other load ) **USING EXTERNAL CONTACTOR** 

W17

W13

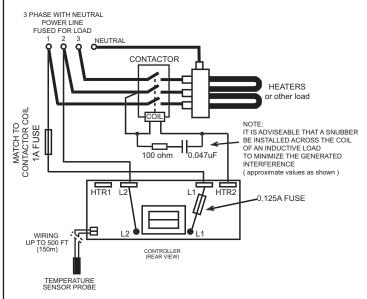
W15

www.keracontrols.com



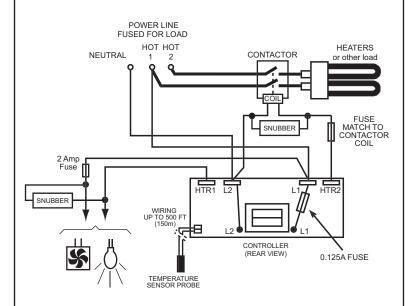
WIRING USING 3 PHASE POWER LINE FOR VERY HIGH POWER HEATERS ( or other load ) USING EXTERNAL CONTACTOR AND USING ONLY 1 ON-BOARD RELAY

W18

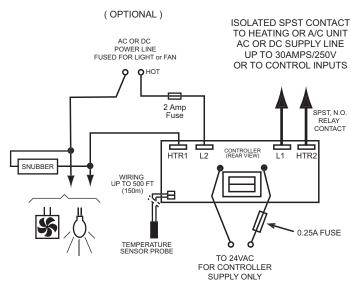


WIRING USING 3 PHASE POWER LINE WITH NEUTRAL FOR VERY HIGH POWER HEATERS ( or other load ) USING EXTERNAL CONTACTOR AND USING ONLY 1 ON-BOARD RELAY

W19



WIRING FOR VERY HIGH POWER HIGH LINE VOLTAGE HEATERS ( or other load )
USING EXTERNAL CONTACTOR
AND USING LOW LINE VOLTAGE FOR LIGHT ( or other load )
AND FOR CONTROLLER SUPPLY

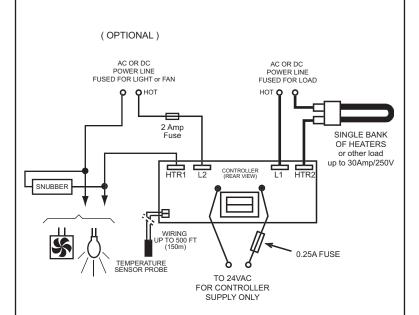


SPECIAL WIRING FOR 24VAC SUPPLY
TO CONTROL EXTERNALAC or DC HEATING OR A/C UNIT
AND OPTIONAL AC or DC LIGHT, FAN OR OTHER LOADS
(Loads are iisolated from each other and from controller supply)

W20

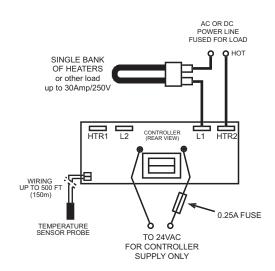
W21

www.keracontrols.com



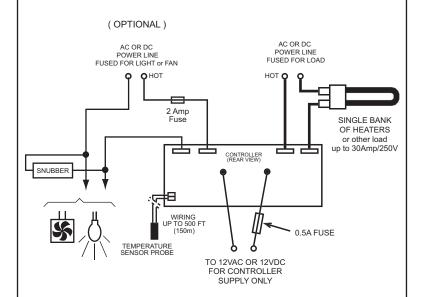
SPECIAL WIRING FOR 24VAC SUPPLY
FOR DIRECT SWITCHING OF AC or DC HIGH POWER HEATER ( or other load )
AND OPTIONAL AC or DC LIGHT, FAN ( or other loads )
( Loads are isolated from each other and from controller supply )

W22

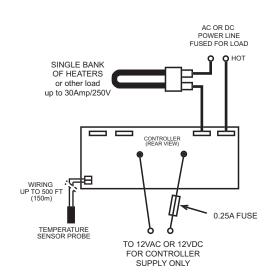


SPECIAL WIRING FOR 24VAC SUPPLY
FOR DIRECT SWITCHING OF AC or DC HIGH POWER HEATER
USING ONLY ONE ON-BOARD RELAY
( Load is isolated from controller supply )

**W23** 



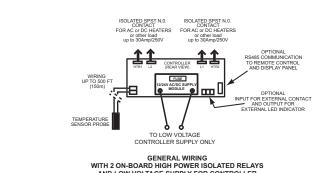
STANDARD WIRING FOR 12V AC/DC SUPPLY
FOR DIRECT SWITCHING OF HIGH POWER AC or DC HEATER ( or other load )
AND OPTIONAL AC or DC LIGHT, FAN ( or other loads )
( Loads are isolated from each other and from controller supply )



STANDARD WIRING FOR 12V AC/DC SUPPLY
FOR DIRECT SWITCHING OF AC or DC HIGH POWER HEATER ( or other load )
USING ONLY ONE ON-BOARD RELAY
( Load is isolated from controller supply )

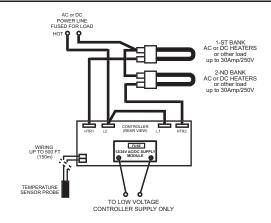
W24 W25

www.keracontrols.com



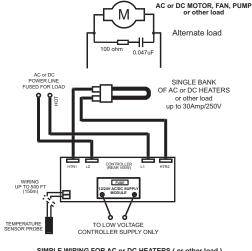
**W26** 

GENERAL WIRING
WITH 2 ON-BOARD HIGH POWER ISOLATED RELAYS
AND LOW VOLTAGE SUPPLY FOR CONTROLLER
( Loads are isolated from each other and from controller supply )



**W28** 

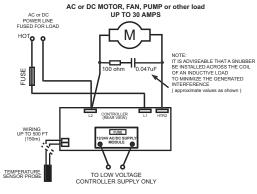
WIRING FOR HIGH POWER HEATERS IN TWO BANKS AND LOW VOLTAGE SUPPLY FOR CONTROLLER ( Load is isolated from controller supply )



W30

W31

SIMPLE WIRING FOR AC or DC HEATERS ( or other load )
USING 2 ON-BOARD HIGH POWER RELAYS
AND WITH LOW VOLTAGE SUPPLY FOR CONTROLLER
( Load is isolated from controller supply )



SIMPLE WIRING FOR HIGH POWER AC or DC MOTOR ( or other load ) USING ONLY 1 ON-BOARD HIGH POWER RELAY
AND WITH LOW VOLTAGE SUPPLY FOR CONTROLLER
( Load is isolated from controller supply )

TO LOW VOLTAGE CONTROLLER SUPPLY ONLY WIRING FOR MIXED HIGH POWER AC or DC LOADS AND WITH LOW VOLTAGE SUPPLY FOR CONTROLLER ( Load is isolated from controller supply ) AC or DC POWER LINE FUSED FOR LOAD AC or DC MOTORS, FANS, PUMPS or other load UP TO 2 X 30 AMPS M NOTE: IT IS ADVISEABLE THAT A SNUBBER BE INSTALLED ACROSS THE COIL OF AN INDUCTIVE LOAD TO MINIMIZE THE GENERATED INTERFERENCE ( approximate values as shown ) M **1** 

WIRING FOR 2 HIGH POWER AC or DC MOTORS ( or other load )
AND WITH LOW VOLTAGE SUPPLY FOR CONTROLLER
( Load is isolated from controller supply )

CONTROLLER (REAR VIEW)

TO LOW VOLTAGE CONTROLLER SUPPLY ONLY

AC or DC MOTOR, FAN, PUMP or other load M Alternate load 0.047uF AC or DC HEATERS or other load 1A FUSE MATCH TO CONTACTOR COIL NOTE:
IT IS ADVISEABLE THAT A SNUBBER
BE INSTALLED ACROSS THE COIL
OF AN INDUCTIVE LOAD
TO MINMIZE THE GENERATED
INTERFERENCE WIRING UP TO 500 FT (150m) TEMPERATURE SENSOR PROBE TO LOW VOLTAGE CONTROLLER SUPPLY ONLY

**W27** 

WIRING FOR HIGH POWER
AC or DC LOADS USING EXTERNAL CONTACTOR
AND WITH LOW VOLTAGE SUPPLY FOR CONTROLLER
(Load is isolated from controller supply)

AC or DC POWER LINE FUSED FOR LOAD AC or DC MOTOR, FAN, PUMP or other load UP TO 30 AMPS M NOTE:
IT IS ADVISEABLE THAT A SNUBBER
BE INSTALLED ACROSS THE COIL
OF AN INDUCTIVE LOAD
TO MINIMIZE THE GENERATED
INTERFERENCE
( approximate values as shown ) AC or DC HEATER or other Load UP TO 30 AMPS TEMPERATURE SENSOR PROBE

**W29** 

W32

TEMPERATURE SENSOR PROBE