



CONTROLS PACKING LIST

Thermostats, Switches, Relays, & Other Controls

Effective 4-17-2023

All orders are subject to acceptance by Detroit Radiant Products Company, Warren, Michigan at prices in effect at date of shipment. All prices are F.O.B. Warren, Michigan. All state, federal, or municipal taxes in effect at the time of shipment or imposed at any future time on our products shall be the responsibility of the customer. We reserve the right to change specifications on our products without prior notice to the customer.



**ELECTRICAL
COMPONENTS**



THERMOSTATS



**NON-THERMOSTATIC
CONTROLS**



**ADVANCED
CONTROLS**

The key symbols below and found within designate the following:

SYMBOL	DESCRIPTION
†	UPS packages are charged dimensional, not physical weight.
<u>Underlined Item</u>	New item from prior accessory guide or packing list.

Shipping Weight Notation: Shipping weight is shown for each item.
The per item weight will typically be less when packaging multiple items on one order.

CONTROLS AND ELECTRICAL COMPONENTS

HEATER CONTROL GUIDANCE FOR GAS-FIRED PRODUCTS

NOTES:

- Refer to field wiring in heater manual to determine if use of a relay and external transformer is required (e.g. 4000-01V).
- Blue represents **Single Stage Heaters**; Green represents **Two Stage Heaters**.
- All items are sold separately and can be found within this book.
- Isolation Relays are to be ordered with Qty. 1 per **heater**. (24VAO, HLRP/B, ERK, ERK-HE)
- Transformers are to be ordered with Qty. 1 per **thermostat**. (4000-01V, R8285B)
- 24VAO, HLRP, and HLRB must be ordered at time of production. All other items are field installed.

REV SERIES, HL3 SERIES, CL3 SERIES (STANDARD AS A 120 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single Heater to Single **24 V Thermostat**
- Multiple Heaters to Single **24 V Thermostat** require the use of p/n: **HLRP** and p/n: **4000-01V** OR p/n: **ERK** and p/n: **4000-01V**

DX3L SERIES, LS3 SERIES, LD3 SERIES, CX3 SERIES, DSR SERIES, DST SERIES, UH SERIES, FA SERIES (STANDARD AS A 120 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single Heater to Single **24 V Thermostat**
- Multiple Heaters to Single **24 V Thermostat** require the use of p/n: **ERK** and p/n: **4000-01V**

DET3 SERIES (STANDARD AS A 120 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **4000-01V**

DES3 SERIES (STANDARD AS A 120 V UNIT & 120 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **120 V Thermostat**
- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **24VAO** and p/n: **4000-01V** OR p/n: **R8285B**

HL2-SB/-SS SERIES (STANDARD AS A 120 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single Heater to Single **24 V Thermostat**
- Multiple Heaters to Single **24 V Thermostat** require the use of p/n: **HLRB** and p/n: **4000-01V** OR p/n: **ERK-HE** and p/n: **4000-01V**

DX2-SB/-SS SERIES (STANDARD AS A 120 V UNIT & 120 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **120 V Thermostat**
- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **24VAO** and p/n: **4000-01V** OR p/n: **R8285B**

MP SERIES (STANDARD AS A 120 V UNIT & “LOW VOLTAGE” CONTROLS)

- Consult the Installation Manual for Available Control Scenarios

SV SERIES (STANDARD AS A 120 V UNIT & 120 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **120 V Thermostat**
- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **R8285B**
- **SV-TSAO upgrade to two stage controls.** Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **4000-01V**

HLV SERIES (STANDARD AS A 120 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **4000-01V**

DR-120V SERIES (STANDARD AS A 120 V UNIT & 120 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **120 V Thermostat**
- Single or Multiple Heater(s) to Single **24 V Thermostat** require the use of p/n: **R8285B**

DR-24V SERIES (STANDARD AS A 24 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **24 V Thermostat**—Transformer required, size accordingly

DSCS SERIES (STANDARD AS A 24 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **24 V Thermostat**—Transformer required, size accordingly

DSCD SERIES (STANDARD AS A 24 V UNIT & 24 V CONTROLS)

Available Control Scenarios

- Single or Multiple Heater(s) to Single **24 V Thermostat**—Transformer required, size accordingly

AVAILABLE ELECTRIC ADD-ON/UPGRADE OPTIONS									
MODEL SERIES	Internal Add-On Option				External Accessory Option				Combo Panel
	24VAO	HLRP (Picker)	HLRB (Board)	SV-TSAO	ERK	ERK-HE	4000-01V	R8285B	HLPNL-#
REV		o			•	•	•		^
MP									
HL3		o			•	•	•		^
DX3L					•	•	•		
DET3							• w/ 24VAO		
DES3	o						•	•	
HL2-SS			o		•	•	•		^
HL2-SB			o		•	•	• w/ 24VAO		^
DX2-SS	o						• w/ 24VAO	•	
DX2-SB	o						•	•	
CL3		o			•	•	•		^
CX3					•	•	•		
LD3					•	•	•		
LS3					•	•	•		
SV				o				•	
HLV							•		
DSRL					•	•	•		
DSRS					•	•	•		
DST					•	•	•		
UH					•	•	•		
FA					•	•	•		
DR-120V								•	
DR-24V							*		
DSCS							*		
DSCD							*		

o Denotes add-on option only and must be ordered at the time of production.

* External transformer to be used. Must be sized accordingly.

^ HLPNLs are not to be used with heaters built with internal relays or with external relay options.

DESCRIPTIONS

24VAO

Field supplied 24 V to control heater operation. Includes internal relay, power cord, indicator lights, and terminal block.

HLRB & HLRP (ISOLATION RELAY)

Optional internal dual relays.

ERK (ISOLATION RELAY)

The external relay kit accessory can be used when it is required for multiple heaters to be on one thermostat. This can be mounted on or near the heater. Used in standard environments.

ERK-HE (ISOLATION RELAY)

Similar to the ERK but utilizes a rugged NEMA 6P rated enclosure for use in wet and corrosive environments.

4000-01V

40 VA transformer, 120–24 VAC primary and secondary. Mounted on a 4x4 base plate.

R8285B







Combination relay transformer, dual pole with 13.8 resistive amps each pole (max. 4 heaters total). For controlling 120 V units with 24 V thermostats. 120 V power in, 24 V power out.


HLPNL-# (ISOLATION RELAY)

Relay panels are intended for projects where an internal relay was forgotten on the heater during production. Includes a 4000-01V mounted inside.

HLPNL-2	HLPNL-4
2 boards inside NEMA (1) box	4 boards inside NEMA (1) box
HLPNL-6	HLPNL-10
6 boards inside NEMA (1) box	10 boards inside NEMA (1) box

ELECTRICAL COMPONENTS

PART NO.	DESCRIPTION	QTY.
 4000-01V	40 VA transformer 120-24 VAC primary and secondary. Mounted on 4 x 4 base plate. Can be used for all 24 V heaters or controls manufactured or provided by Detroit Radiant Products.	3 lbs.
 MTGRD	Metal thermostat guard. Beige metal material with locking key. 3.8125"H x 6"W x 3.125"D. Mounts (vertical or horizontal) to exposed "J" box. Includes hardware.	3 lbs.
 F29GRD	Thermostat guard. Clear plastic material with locking key. 5.375"H x 8.25"W x 3.5"D. Mounts (vertical or horizontal) to exposed "J" box. Includes hardware.	2 lbs.
 R8285B	Combination relay transformer, dual pole 13.8 resistive amps each pole (Max. 4 heaters total). For controlling 120 V units with 24 V thermostats. 120 V power in, 24 V power out. UL listed.	3 lbs.
 ERK	The External Relay Kit accessory can be used on certain models that require multiple heaters on one thermostat (refer to page 3 for applicable models). This can mount on or near the heater. One ERK is needed per heater. Used in standard environments. An external transformer (40 VA) is needed to power the control.	1 lb.
 ERK-HE	Similar to ERK but utilizes a rugged NEMA 6P rated enclosure for use in wet and corrosive environments. An external transformer (40 VA) is needed to power the control.	1 lb.

PART NO.	DESCRIPTION	QTY.
	Relay Panels are intended for projects where an internal relay was forgotten on the REV/HL2/HL3/CL3 Series heater during production.	






Hi-Low Relay Panels / Boards




Isolation relays must be used any time two or more heaters are operating on the same thermostat (and/or are common vented). Refer to the chart found on page 3 for heater series requiring relays. The **ERK** and **ERK-HE** are external relay kits. One kit is needed per heater. An external transformer (e.g. **4000-01V**) is needed to power the control and one per thermostat is required. The use of a relay panel is intended for projects when it is preferred to have all relays mounted and pre-wired inside a NEMA (1) enclosure. Available with 2, 4, 6, or 10 relays per NEMA (1) box. Each relay can accommodate one heater. Each panel has one 40 VA transformer internally mounted. Refer to the Low Intensity Price List for internal relay options on select series heaters.

2 BOARDS INSIDE NEMA (1) BOX	4 BOARDS INSIDE NEMA (1) BOX	6 BOARDS INSIDE NEMA (1) BOX	10 BOARDS INSIDE NEMA (1) BOX
5 lbs.	7 lbs.	11 lbs.	12 lbs.
HLPNL-2	HLPNL-4	HLPNL-6	HLPNL-10

Refer to the Low Intensity Price List for HLRP/B options.













NON-THERMOSTATIC CONTROLS

PART NO.	DESCRIPTION	QTY.
 TH-DSSS1	Single zone, single stage, low voltage infrared patio heater controller with illuminated control knob. Standard with faceplate* and heavy duty junction box. Controller requires a 24 VAC common for power.	1 lb.
 TH-DSSS2	Two zone, single stage, low voltage infrared patio heater controller with two illuminated control knobs. Standard with faceplate* and heavy duty junction box. Controller requires a 24 VAC common for power.	1 lb.
 WEP-TS	Lockable weatherproof enclosure package with 4-hour timer and on/off control. Ideal for use in outdoor heating applications where timer control is desired. Package for two stage scenarios. Can operate up to 120 V-20 A. Can also be used for 24 V switching. Field assembly and wiring required.	2 lbs.
 MP-P	Potentiometer. Used to control MP Series heater(s) in outdoor or spot heating environments to allow the user to manually control the heater's firing rate based on the dial position with positive off.	1 lb.
 TH-OCSE	Occupancy or vacancy sensor. Dual (PIR/ Ultrasonic) 120/277 VAC, 50/60 Hz, 5 A.	1 lb.

PART NO.	DESCRIPTION	QTY.
 TH-DSTS1	Single zone, two stage, low voltage infrared patio heater controller with illuminated control knob. Standard with faceplate* and heavy duty junction box. Controller requires a 24 VAC common for power.	1 lb.
 TH-DSTS2	Two zone, two stage, low voltage infrared patio heater controller with two illuminated control knobs. Standard with faceplate* and heavy duty junction box. Controller requires a 24 VAC common for power.	1 lb.
 SWPD60	60-minute twist timer with 5-minute increments	
SWPD-4H	4-hour twist timer	1 lb.

* Contact Sales for customized faceplate options.





SINGLE STAGE & TWO STAGE THERMOSTATS

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
 TH-P721	Single stage or two stage programmable 7-day, 5/2 day, or non-programmable thermostat. 45°–90°F range. 1.5 A at 24 VAC (15 heaters with HLRP and 4000-01V). Features include 2 or 4 selectable periods per day, °C/°F display, and keypad lock. **Compatible with MP Series heaters.**	2 lbs.	 TH-PSPLV	Single stage 120 V programmable line voltage thermostat. No relay transformer required. 5/2-day (4-period) operation. 45°–90°F range. 16 A @ 120 V, single pull. Features include °C/°F display, easy programming, wall plate included, and more. 120 V only. **Compatible with MP Series heaters.**	2 lbs.
 TH-BR52	24 V single stage or two stage control with flexible programming for residential and commercial applications. 7-day, 5/2 day, or non-programmable. 45°–90°F control range. Indoor or outdoor remote sensing capable. Multi-level keypad lockout. Bright blue backlight. Hardwire or battery powered. Meets California Title 24 guidelines. **Compatible with MP Series heaters when batteries are installed.**	2 lbs.	 TH-ET5	Single stage thermostat. 35°–75°F range. White plastic cover, 120–277 VAC, 22.0 A. May be used to switch either 24 V, 120 V, or 220 V. Consult amp rating of unit for proper sizing. **Compatible with MP Series heaters.**	2 lbs.
 RS-BR53	Indoor sensor for use with TH-BR52 thermostat. Mounts up to 200 ft. away. Sense range of 40°–99°F depending on thermostat. Contemporary design for any decor. NOTE: The DRPCO-ODRS can be used in place of this sensor for indoor wet environments.	1 lb.	 TH-115	Single stage thermostat with rain tight enclosure and 40°–100°F range. Rugged weatherproof control for use in agricultural, industrial, and commercial environments with heavy moisture atmospheres. 16.0 FLA, 25.0 A resistive at 120 V. NEMA 4X rated. Can be used with 24–277 VAC. Consult amp rating of unit for proper sizing. **Compatible with MP Series heaters.**	2 lbs.
 RS-BR54	Outdoor sensor for use with TH-BR52 thermostat. Mounts outdoors up to 200 ft. away. Sense range capability of –40°–99°F depending on thermostat. Contemporary design for any decor. NOTE: Cannot be used in place of the indoor sensor.	1 lb.	 TH-115-60B	Single stage thermostat with rain tight enclosure and 0°–120°F range. A 60" stainless steel sensing bulb for remote sensing is attached. Ideal for rugged, weatherproof control in outdoor or freeze protection applications. 16.0 FLA, 25.0 A resistive at 120 V. NEMA 4X rated. Can be used with 24–277 VAC. Consult amp rating of unit for proper sizing.	2 lbs.
 ETD-5M1	Two stage , double throw, low or line voltage thermostat. 35°–75°F range (24, 120 or 220 V). Non-adjustable, preset 2° high/low fire differential. UL Listed and CSA Certified.	2 lbs.	 CNG-GDIC	Control panel consisting of the TH-BR52 thermostat, 4000-01V transformer, with a 12" x 10" x 4" NEMA 1 box. Commonly used in CNG applications as it also comes with an internal relay to allow a 120 V signal to open the relay and deactivate the call for heat.	10 lbs.
 TH-200	Two stage thermostat with rain tight, NEMA 4X enclosure. 30°–110°F range. Rugged weatherproof control for use in agricultural, industrial, and commercial environments with heavy moisture atmospheres. Consult amp rating of unit for proper sizing. Can be used with millivolt–277 VAC.	2 lbs.	 BBS-AO	Black bulb sensor add-on. Upgrade remote sensor to be enclosed in a black bulb for jobs that require radiant temperature sensing inside a black bulb. Must be used in conjunction with sensors rated for "indoor wet environments." Refer to sensor descriptions for compatibility. Contact factory for guidance.	1 lb.




MP SERIES CONTROL OPTIONS



MP Series utilize a "low" voltage control. Only certain single stage thermostats are compatible with this series. Refer to each thermostat notes for **MP compatibility**.

NOTE: When using a single stage thermostat on an MP Series heater it is highly recommended to use the MP-T remote temperature sensor (see below) to determine the rate of modulation.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
 TH-PUI	This advanced single zone, microprocessor based controller, loaded with powerful and custom features, is a smart logic controller that offers optimal performance out of your MP Series heater . Allows heater(s) to modulate with full PID controller that considers various inputs and outputs, utilizes the current set temperature (based on an on-board thermistor or an externally connected zone sensor), mode selected, and other variables to determine the rate of modulation. Optional integration with remote sensors (sold separately).	2 lbs.	 MP-P	Potentiometer. Used to control MP Series heater(s) in outdoor or spot heating environments to allow the user to manually control the heater's firing rate based on the dial position with positive off.	1 lb.
			 MP-T	Remote temperature sensor, 10 KΩ for use with the MP Series heater. Indoor use only.	1 lb.
			 MP-T-OD	Remote temperature sensor, 10 KΩ for use with the MP Series heater. For "indoor wet environments" or outdoor use.	1 lb.

WI-FI & WIRELESS THERMOSTATS


PART NO.	DESCRIPTION	QTY.
	Single stage or two stage control. 24 V Wi-Fi programmable thermostat with remote access from smartphone, tablet, or PC. Adjust the temperature with just a touch, from anywhere, when connected to a Wi-Fi network. Temperature range 45°–99°. Thermostat requires a 24 VAC common for power.	2 lbs.
TH-1F86WF		
	Single stage or two stage control. 24 V Wi-Fi programmable thermostat with remote access from smartphone, tablet, or PC. Temperature range 45°–90°. Thermostat requires a 24 VAC common for power.	2 lbs.
TH-B205WF		
	Single stage or two stage control. 24 V NEMA 4X Wi-Fi thermostat (IP66 rated). Scheduling, zoning, permission sharing, and more in the ENA app, which can be accessed through a web dashboard. Similar to a BMS without the high cost. Temperature range 39°F–104°F. Thermostat requires a 24 VAC common for power.	2 lbs.
TH-ENASC		



PART NO.	DESCRIPTION	QTY.
	24 V single stage or two stage control wireless thermostat kit. Temperature range 45°–90°. Kit includes thermostat, control module, and return air plenum sensor. Compatible with RS-B500WL remote sensor.	2 lbs.
TH-B500WL		
	Remote indoor sensor for use with TH-B500WL wireless thermostat kit.	2 lbs.
RS-B500WL		

ADVANCED CONTROL OPTIONS

DRPCO Work Order Form (F/N: LOF025a) must be filled out for any DRPCO ordered to ensure proper field wiring diagram.

Consult factory for MP, DR, SV, & DSC Series.


PART NO.	DESCRIPTION	QTY.
	State-of-the-art pre-programmed building management controller housed in a stylish and durable enclosure. Use as a stand-alone unit or part of an overall building management system. Features include: <ul style="list-style-type: none"> • BACnet MSTP • LCD user interface • Multischedule • Zone labeling • Zone indicator lights • Fire alarm • Positive on/off capability • Outside air sensor for heat anticipation capability (sensor sold separately) • Time clock battery backup (-10S and -6D models only) • 96 VA transformer (shipped loose for external field mount) for 24 V side of the heaters unless otherwise specified 	See -4S, -4D, -10S, & -6D interfaces below
DRPCO-4S	<ul style="list-style-type: none"> • Capable of 4 single stage zones. • Max. 36 heaters for DX3L, CX3, LS3, UH, & FA (must include ERK per heater). • Max. 36 heaters for DX2-SB(-SS) & DES3 (must include 24VAO per heater). 	
DRPCO-4D	<ul style="list-style-type: none"> • Capable of 4 two stage zones. • Max. 62 heaters for HL2-SB(-SS) with HLRB. • Max. 18 heaters for REV, HL3, CL3, LD3, DSR, DST (must include HLRP or ERK per heater) or DET3. 	
DRPCO-10S	<ul style="list-style-type: none"> • Capable of 10 single stage zones. • Max. 36 heaters for DX3L, CX3, LS3, UH, & FA (must include ERK per heater). • Max. 36 heaters for DX2-SB(-SS) & DES3 (must include 24VAO per heater). 	
DRPCO-6D	<ul style="list-style-type: none"> • Capable of 6 two stage zones. • Max. 62 heaters for HL2-SB(-SS) with HLRB per heater. • Max. 18 heaters for REV, HL3, CL3, LD3, DSR, DST (must include HLRP or ERK per heater) or DET3. 	


PART NO.	DESCRIPTION	QTY.
	Deluxe wall mount 24 V remote temperature sensor. 14°–158°F temperature range. Delivers a 4–20 mA signal to controller up to 300 ft. 10 KΩ.	1 lb.
DRPCO-RS		
	Outdoor deluxe wall mount 24 V remote temperature sensor. 14°–158°F temperature range. Delivers a 4–20 mA signal to controller up to 300 ft. 10 KΩ. For “indoor wet environments” or outdoor use. For use with DRPCO and TH-BR52 controllers.	1 lb.
DRPCO-ODRS		


ELECTRIC SERIES HEATER ONLY CONTACTOR PANELS


FOR ON/OFF CONTROL ONLY


NOTE: DSS-NR, DGS, BAH, & ELX Series heaters are not manufactured with a control device. Control devices shall be field supplied and must meet local and/or national codes. Suitable control configurations include switching devices and/or integrated relay panels properly rated for the heater's voltage, amperage, and installation requirements. Contact the factory for further technical assistance.

PART NO.	DESCRIPTION	QTY.
 Appearance may differ. CE-40-24	Contactor with enclosures. Ideal switching device for use with other control equipment. NEMA 1 Enclosures. Magnetic contactor with load rating up to 600 V max., 3-pole, 40 amps. 24 V coil. Overload protection must be additionally provided.	8 lbs.

 4000-01V	40 VA transformer 120-24 VAC primary and secondary. Mounted on 4 x 4 base plate. Can be used for all 24 V heaters or controls manufactured or provided by Detroit Radiant Products.	3 lbs.
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 4000-01V-277	40 VA transformer 277-24 VAC primary and secondary. Can be used for all 24 V heaters or controls manufactured or provided by Detroit Radiant Products.	3 lbs.
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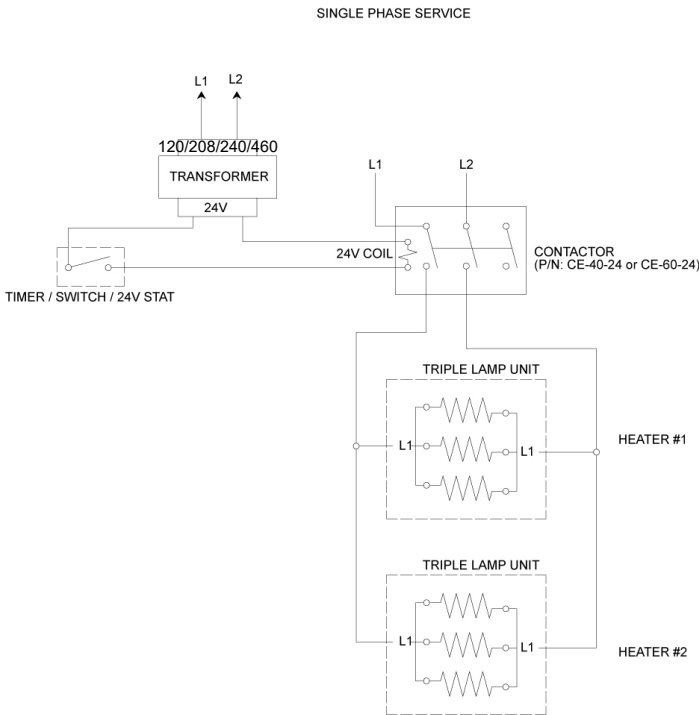
PART NO.	DESCRIPTION	QTY.
 Appearance may differ. CE-60-24	Contactor with enclosures. Ideal switching device for use with other control equipment. NEMA 1 Enclosures. Magnetic contactor with load rating up to 600 V max., 3-pole, 60 amps. 24 V coil. Overload protection must be additionally provided.	14 lbs.

 5000-01V	40 VA multi-tap transformer 208/240 to 24 VAC primary and secondary. Can be used for all 24 V heaters or controls manufactured or provided by Detroit Radiant Products. NOTE: Not compatible with 277 V.	3 lbs.
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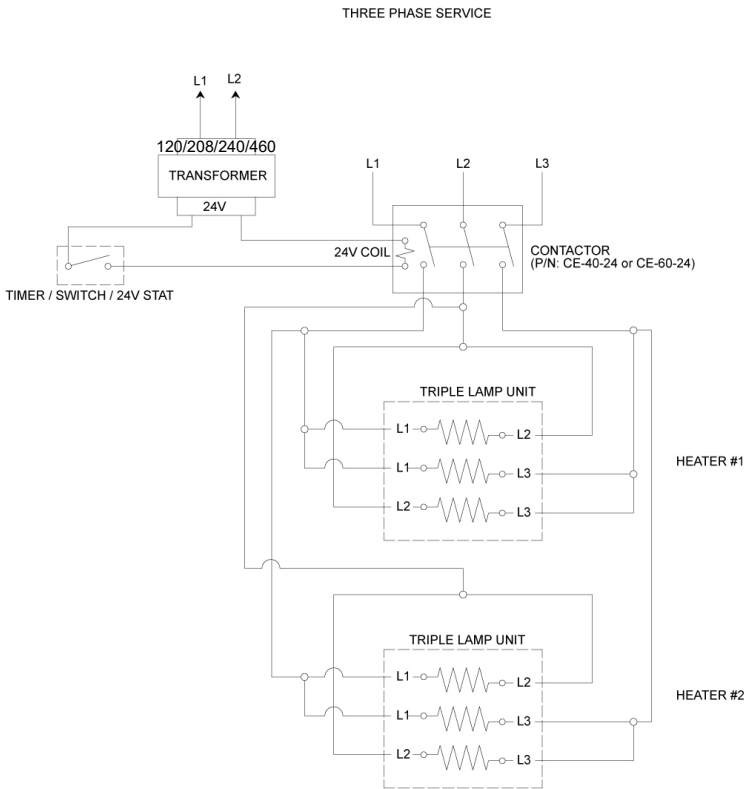
NOTE: Installer to provide overload protection for all infrared heaters.
NOTE: Additional contactor sizes and coil voltages are available. Please contact factory for availability.
For sample wiring using contactor panels with on/off controls see below.

CONTACTOR PANEL WIRING EXAMPLES

Single phase service wiring example using a contactor panel, low voltage on/off control, and external step down transformer.



Three phase service wiring example using a contactor panel, low voltage on/off control, and external step down transformer.



ELECTRIC SERIES HEATER ONLY CONTROL OPTIONS



MWC-##

Variable Heat Controller

- Can be used on **DGS, BAH, & select ELX models with medium wave element types.**
- On-off with heater output modulation.
- 120 V rated for 1600 W.
- 240 V rated for 3200 W.
- Typically used for 1 or 2 smaller heaters.
- Contactors not needed in conjunction with these.



SWMC-18 Shown



SMWC-##


Variable Heat Controller

- Can be used on **DGS, BAH & ELX Series.**
- On-off with heater output modulation.
- 120 V rated for 1800 W.
- 240 V rated for 3600 W.
- Typically used for 1 or 2 smaller heaters.
- Contactors not needed in conjunction with these.



PART NUMBER	DESCRIPTION	DIMENSIONS			WEIGHT	QTY.
		DEPTH	WIDTH	HEIGHT		
MWC-16	Variable heat controller - 120 Volt, 15 Amps, 1600 Watts max.	3.0"	5.0"	5.0"	3 lbs.	
MWC-32	Variable heat controller - 208/240 Volt, 15 Amps, 3200 Watts max.	3.0"	5.0"	5.0"	3 lbs.	
SMWC-18	Variable heat controller - 120 Volt, 15 Amps, 1800 Watts max.	3.5"	4.0"	5.0"	3 lbs.	
SMWC-36A	Variable heat controller - 208/240 Volt, 15 Amps, 3600 Watts max.	5.0"	6.5"	7.5"	5 lbs.	


NOTE: If variable control is desired above and beyond the load rating for the above control offering, contact the sales department.

PART NO.	DESCRIPTION	QTY.
	Variable heat controller suitable for up to a 3 kW of infrared heater at 220–240 V supply. Single phase. Integral ON/OFF switch. Fully adjustable power setting. High reliability triac used. Must be mounted in a protected area. Limited stock.	2 lbs.
	Use with DGS, BAH, and ELX Series. Heater thermostat with 40–85°F range. Double line break with positive off. For use on heaters up to 277 V. 22 amps at 120 or 240 VAC non-inductive; 18 amps at 277 VAC non-inductive. Common thermostat when amperage permits. Do not use with contactor panels. 5,000 W maximum capacity.	2 lbs.

PART NO.	DESCRIPTION	QTY.
	Push button timer control. Suitable for up to 5 kW–6 kW of infrared heaters at 208–240 V supply, single phase. Electronic soft start—extends lamp life. Tamper-proof push button. Fully adjustable time delay from 5 to 70 minutes. Red LED indicator when active. Waterproof (IP55 rated) and simple to install. Limited stock.	2 lbs.

CLOSEOUT CONTROLS (CONSULT FACTORY FOR AVAILABILITY)

PART NO.	DESCRIPTION	QTY.
	White Rogers programmable MV-30V, single or two stage, touch-screen display thermostat with remote sensing. Adjustable temperature differential (0.6–1.2). 4 and 2 period; 7 or 5+1+1 day programming options. 1.5 A per terminal allows operation of up to 30 two stage heaters w/ HLRB boards and transformer. Used with one (1) remote sensor (RS-F145).	2 lbs.
	Remote sensor for use with TH-1F95-TS. For indoor use only. Sensor can be placed up to 200 feet away.	2 lbs.

PART NO.	DESCRIPTION	QTY.
	Single stage operation. 24 V or millivolt advanced programmable heat/cool digital T-stat with batteries. 5+1+1 (4 Period) operation. 45°–90°F range. White color, swing door and backlit LCD display. 24 V – 1.5 A (5 heaters with 24VAO & 40 VA transformer). Features include °C or °F display, easy programming, 12/24 clock, and temperature hold.	2 lbs.