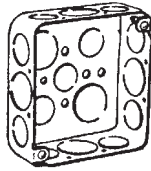


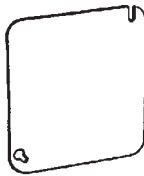
Square Box with Knockouts



Size: 4" x 1-1/2"

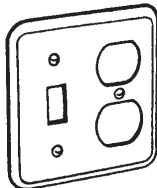
No.	Size	Description	Each
ELE5215112	1/2", 3/4"	Deep Square Box with Knockouts	\$3.50

Blank-off Plate for Square Box



No.	Description	Each
ELE52C1	4" Square Blank-off Plate	\$1.34

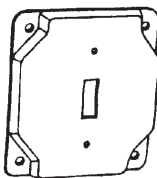
Cover for Square Box



4" Square, 1/2" Raised Cover

No.	Description	Each
ELERS2	1 Switch, Duplex Receptacle	\$3.38

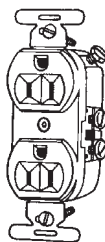
Cover for Square Box



4" Square, 1/2" Raised Cover

No.	Description	Each
ELERS9	1 Toggle Switch Cover	\$1.84

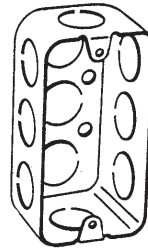
Duplex Receptacle



Side Wire
2 Pole, 15 A, 125V, Nema 5-15R

No.	Description	Each
ELE7613	Ivory Duplex Receptacle	\$5.62

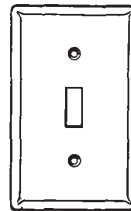
Standard Utility Box



Size: 4" x 2-1/8" x 1-7/8"

No.	Size	Description	Each
ELE5836112	1/2"	Standard Utility Box	\$2.88

Standard Box Cover with Switch



No.	Description	Each
ELE58C30	4" x 2-1/8" Cover with Toggle Switch	\$0.96

Electrical Wire THHN



8 - 10ga Stranded
12 - 14ga Solid

No.	Gauge	Size	Color	Each
THHN8B	8	500 ft.	Black	\$748.16
THHN10B	10	500 ft.	Black	\$370.34
THHN12W	12	500 ft.	White	\$225.74
THHN12R	12	500 ft.	Red	\$225.74
THHN12B	12	500 ft.	Black	\$225.74
THHN14R	14	500 ft.	Red	\$148.80
THHN14W	14	500 ft.	White	\$148.80
THHN14G	14	500 ft.	Green	\$148.80
THHN14B	14	500 ft.	Black	\$148.80

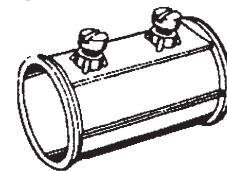
Single Pole Switch



Single Pole 15 A, 115 Volt

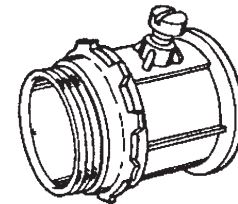
No.	Description	Each
ELE7601	Ivory Single Pole Switch	\$2.40

Set Screw Coupling Concrete Tight



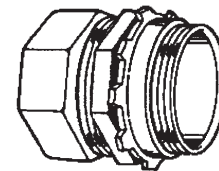
No.	Size	Description	Each
ELETK221	1/2"	Set Screw Coupling	\$1.02
ELETK222	3/4"	Set Screw Coupling	\$1.58

Set Screw Connector Concrete Tight



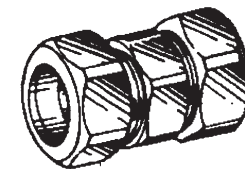
No.	Size	Description	Each
ELETC221	1/2"	Set Screw Connector	\$0.92
ELETC222	3/4"	Set Screw Connector	\$1.50

Compression Connector Rain Tight



No.	Size	Description	Each
ELETC211	1/2"	Compression Connector	\$1.46
ELETC212	3/4"	Compression Connector	\$2.66

Compression Coupling Rain Tight



No.	Size	Description	Each
ELETK211	1/2"	Compression Couplings	\$2.38
ELETK212	3/4"	Compression Couplings	\$3.00

Pull Elbow

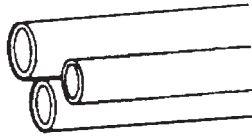


No.	Size	Description	Each
ELEHL601	1/2"	Pull Elbow	\$12.96
ELEHL602	3/4"	Pull Elbow	\$14.90

Electrical

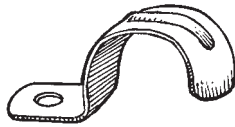


Conduit Lengths



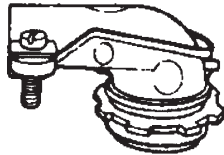
No.	Size	Description	Each
ELE12X10EMT	1/2"	10 ft. Length	\$6.38
ELE34X10EMT	3/4"	10 ft. Length	\$12.32

Steel Strap



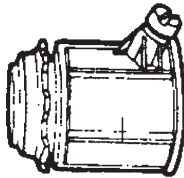
No.	Size	Description	Each
ELE16900	1/2"	1 Hole Steel Strap	\$0.20
ELE16901	3/4"	1 Hole Steel Strap	\$0.24

Flex Cable Clamp Connector



No.	Size	Description	Each
ELEXC290	3/8"	90 Deg Screw Clamp Connector	\$2.56

Flex Cable Set Screw Connector



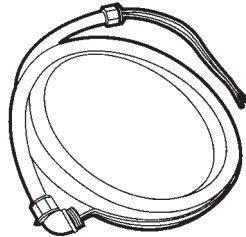
No.	Size	Description	Each
ELEXC220	3/8"	Set Screw Connector	\$0.96

Flexible Conduit



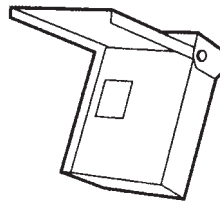
Greenfield No.	Size	Length	Each
ELEG3825	3/8"	25 ft.	\$16.60
ELEG3850	3/8"	50 ft.	\$33.20

Whips Non-Metallic



No.	Description	Each
38667	4ft. x 1/2" Whips	\$18.54
38664	6ft. x 1/2" Whips	\$21.94
38665	4ft. x 3/4" Whips	\$25.86
38669	6ft. x 3/4" Whips	\$29.34

Disconnects Non-Fused



No.	Amps	Each
38673	60 Amps	\$21.58

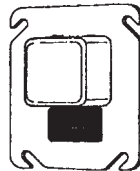
Little Fuse Box Cover



One Edison-Base fuse holder and grounding receptacle
Mounts on a 2-1/4" Handy Box

No.	Description	Each
ELELSRU	Fuse Holder & Receptacle	\$24.92

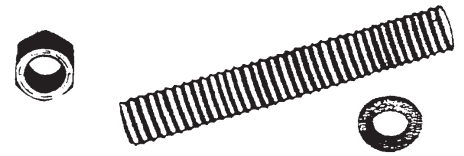
Little Fuse Box Cover



One Edison-Base fuse holder and Single Pole Switch
Mounts on a 4" Square Box

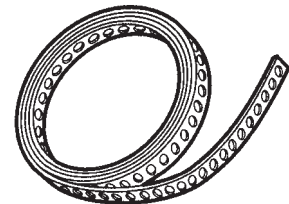
No.	Description	Each
ELELSSY	Fuse Holder & Single Pole Switch	\$29.72

Threaded Rod, Nut, and Washer



No.	Description	Each
HDWTRG386	3/8" x 6 ft. Threaded Rod	\$8.78
HDWW38	3/8" Steel Washer	\$4.04
HDWN38	3/8" Hex Nut	\$4.04

Pipe Strap Rolls



No.	Description	Each
HDWGF1	20 Ga. 3/4" x 10 ft. Galvanized Strap	\$4.22
00660	20 Ga. 3/4" x 10 ft. Copper Strap	\$25.60

2 Hole Pipe Clamp Galvanized



No.	Description	BoxQty	Each
HDWBT12	1/2" 2 Hole Clamp	100	\$11.66
HDWBT34	3/4" 2 Hole Clamp	100	\$16.98
HDWBT1	1" 2 Hole Clamp	100	\$24.26
HDWBT114	1-1/4" 2 Hole Clamp	50	\$19.42
HDWBT112	1-1/2" 2 Hole Clamp	25	\$15.76

Round Head Stove Bolt with Nuts

Sold as Package of 50

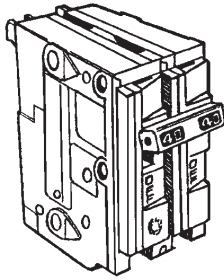
No.	Description	Each
HDWMAKNB50	1/4" x 1-1/4" Stove Bolts & Nuts	\$8.78

Electrical

CIRCUIT BREAKERS

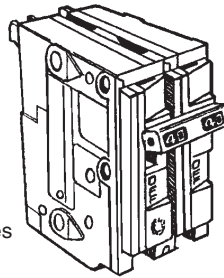


Circuit Breaker Siemens



No.	Amps	Poles	Volts	Each
ELEQ240	40	2	240	\$29.14

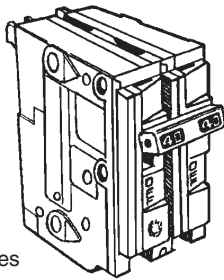
Circuit Breaker General Electric



Type: THQP Thin Series
Plug-in
Requires 1" space

No.	Amps	Poles	Volts	Each
CBRTHQP230VPK	30	2	120/240	\$31.62
CBRTHQP240VPK	40	2	120/240	\$31.62

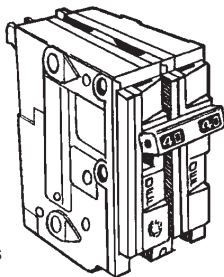
Circuit Breaker Square D



Type: QO
Plug-in
Requires (2) 3/4" Spaces

No.	Amps	Poles	Volts	Each
CBRQO230VPK	30	2	120/240	\$37.58
CBRQO240VPK	40	2	120/240	\$37.58
CBRQO260VPK	60	2	120/240	\$37.58

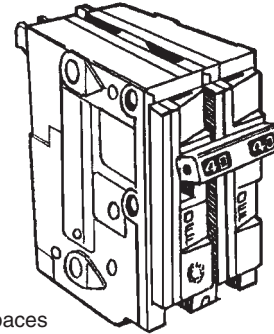
Circuit Breaker Homeline



Type: HOM
Plug-in
Requires (2) 1" Spaces

No.	Amps	Poles	Volts	Each
CBRHOM230VPK	30	2	120/240	\$32.74
CBRHOM240VPK	40	2	120/240	\$32.74
CBRHOM260VPK	60	2	120/240	\$32.74

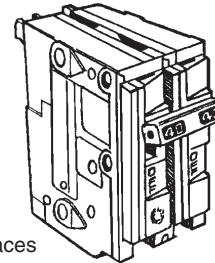
Circuit Breaker Cutler-Hammer



Type: CH
Plug-in
Requires (2) 3/4" Spaces

No.	Amps	Poles	Volts	Each
CBRCH230VPK	30	2	120/240	\$44.26
CBRCH240VPK	40	2	120/240	\$44.26
CBRCH260VPK	60	2	120/240	\$44.26

Circuit Breaker Interchangeable



Type: ICBQ
Plug-in
Requires (2) 3/4" Spaces

No.	Amps	Poles	Volts	Each
CBRICBQ230VPK	30	2	120/240	\$28.22
CBRICBQ240VPK	40	2	120/240	\$28.22
CBRICBQ260VPK	60	2	120/240	\$28.22

Li'L Popper Control Board Circuit Breaker

The POP3 provides a temporary emergency fix for control boards that continue to blow fuses or that are shorted out.



No.	Description	Each
POP3	Li'L Popper	\$21.26

Surge Protector



Features/Benefits

- Easy Installation at Disconnect or Panel
- Weatherproof Housing
- Indicator Light on some models for Surge Protection Present

Surge Protection for:

- Air Conditioners, Refrigeration Systems, Furnaces, Air Handlers, Heat Pumps, Electro-Mechanical Devices, Motors, Pumps
- 120/240 Volt, Single Phase

No.	Description	Each
60602	Protector	\$88.74

Electrical



Thermostat Wire



Solid wire sold only per spool low voltage.

No.	AWG Size	Feet	Each
80470	18 / 2	500 ft	\$101.00
80472	18 / 4	250 ft	\$105.00
80476	18 / 5	250 ft	\$129.30
80473	18 / 6	250 ft	\$175.00
80474	18 / 8	250 ft	\$204.72
80475	18 / 10	250 ft	\$287.20

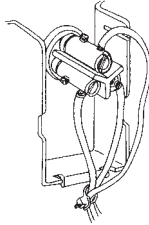
Wire Nuts Solderless Connections



No.	Color	Capacity	Each
20031	Gray	3-18 to 2-16	\$7.70
20032	Blue	1 No. 14-18 or 3 No. 18	\$4.74
20033	Orange	2 No. 14 or 5 no. 18	\$6.54
20034	Yellow	2 No. 12 or 4 No. 14	\$8.40
20035	Red	2 no. 18-10 or no. 14	\$13.48
Assortment package containing			\$24.72
20036	Blue, Orange, Yellow, Red		

Compressor Terminal Kit

Term-Loks are designed to fit non-burned terminals to prevent future burn offs.



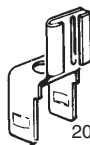
No.	Description	Each
745435A	Compressor Terminal Kit	\$87.16

Compressor Terminals Non-Insulated



No.	Wire	Stud Tab	Pkg Qty	Each
20157	12-8	.250	5	\$4.82

Special Terminals



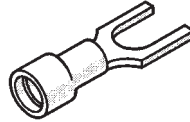
20212



20208

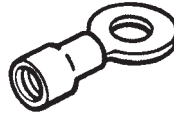
No.	Wire	Color	Stud Tab	Pkg Qty	Each
20208	16-14	Blue	.250	10	\$4.82
20212	-	-	.250	100	\$28.24

Spades-Fork Terminals Insulated



No.	Wire	Color	Stud Tab	Pkg Qty	Each
20158	16-14	Blue	6	100	\$18.28
20176	16-14	Blue	10	100	\$18.28
20178	12-10	Yellow	10	100	\$20.94

Rings Insulated



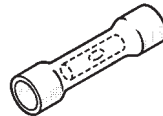
No.	Wire	Color	Stud Tab	Pkg Qty	Each
20179	16-14	Blue	6	100	\$18.28
20180	16-14	Blue	10	100	\$19.20
20183	12-10	Yellow	10	100	\$24.78

Female Quick-Connects Insulated



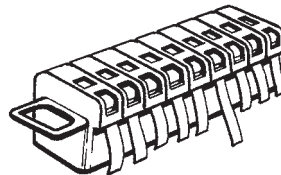
Color No.	Wire	Pkg Stud	Tab	Qty	Each
20186	22-18	Red	.250	100	\$19.90
20187	16-14	Blue	.250	100	\$19.04
20188	16-14	Blue	.187	100	\$21.94
20191	12-10	Yellow	.250	100	\$21.40
20171	16-14	Blue	.250	5	\$2.42

Butt Connectors Insulated



No.	Wire	Color	Stud Tab	Pkg Qty	Each
20193	22-18	Red	-	100	\$20.12
20195	16-14	Blue	-	100	\$16.32
20202	12-10	Yellow	-	100	\$19.40

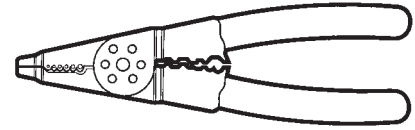
Wire Marker



Marks wires from 0 to 9.

No.	Mfg.	Description	Each
20040	44-101	Numbers 0 to 9	\$51.54

Terminal Crimping Tool



This 8" long terminal crimping tool for solderless terminals has a wire cutter and 2 crimping positions in the jaw. Can be used to cut wire strip. Threaded holes in body take common No. 4, 5, 6, 8, and 10 machine screws and slices them to exact size. With plastic handles.

No.	Description	Each
20145	Vaco Crimping Tool Electrical Wire Stripper and Bolt Cutter	\$28.30
MALWSC8	Cutter, Crimper, Stripper	\$42.86

Voltage Detector



Non-contact voltage detector 24V to 1000V with LED flashlight. Flashing red LED light and audible beeper voltage indicators. Bright LED flashlight with On/Off button.

No.	Description	Each
61791	Voltage detector	\$35.00

Hygro-Thermometer



Features

- Rotary Probe Design
- Dual display for humidity and temperature
- Maximum & minimum reading memory
- Fast reading update

No.	Description	Each
61792	Hygro-thermometer	\$59.30

Electrical



The Factory Authorized Parts Difference

Control Boards

Factory Authorized Parts Training Guide

Factory Authorized Parts are designed to meet exact Carrier® Corporation specifications, ensuring optimum system performance, proven reliability, easy installation and maintenance and safe system operation.

**FACTORY
AUTHORIZED
PARTS**

	Issue	Carrier HK42FZ034 (and 325878-751)	Generic Furnace Board
System Performance	Heat Pump defrost operation	HK42FZ034 shuts off blower when the igniter is energized and then brings it back on when the igniter turns off. This reduces nuisance trips of the high switch in heat pump applications.	Some generic boards will shut off the blower when the igniter is energized, but do not bring it back on at the factory-engineered optimum time.
	Noise generation	HK42FZ034 board performs quietly during all phases of operation.	Some generic boards make a noticeable high frequency noise whenever the gas valve is energized.
System Reliability	Blower on-delay operation	HK42FZ034 is designed to run at several different blower on-delay times depending on the product type and vintage it is installed in. Use of the correct blower on-delay can significantly extend heat exchanger life.	Generic boards may have just one blower on-delay time.
	Additional wear on igniter	HK42FZ034 shuts off the igniter the moment flame is sensed. This improves igniter life.	Some generic boards keep the igniter energized after flame is present.
Installation and Serviceability	Limited nuisance trips when flame is lost mid-cycle	HK42FZ034 shuts down and completes the blower off-delay when flame is lost. After the blower off-delay is completed a new heating cycle will begin. For certain installations, this will prevent nuisance trips.	Some generic boards will shut the blower off and immediately try to reignite when flame is lost. This kind of operation could lead to a needless service call.
	Polarity sensing	HK42FZ034 polarity sense works whether the furnace is grounded or not.	On some generic boards polarity sense only works when the furnace is grounded.
	Fuse fault indication	HK42FZ034 has an indication for a faulty fuse meaning that service can avoid replacing the board when only the fuse is bad.	Some generic boards do not have an indication for faulty fuse.
Safety	Combustion air starvation lockout	HK42FZ034 has a flame rollout detection algorithm which shuts off the furnace when starved for combustion air.	Some generic boards do not lockout when the furnace is starved for combustion air.
	Stuck gas valve relay operation (gas valve input is ON and should not be).	Based on specific criteria, the HK42FZ034 will turn the inducer off to see if the pressure switch will remove power from the gas valve. In this case, it will prohibit un-ignited gas from spilling until the lack of heat is noticed.	Some generic boards will not turn the inducer off under the same scenario.
	Dead blower situation (condensing furnace, downflow position)	HK42FZ034 locks out unit for designated period of time in a dead blower situation, helping to ensure the integrity of the flue pipe.	Some generic boards may continue to cycle heat on and heat off without locking out for several hours.
	UL & CSA Qualified	Both the Carrier Furnace and the HK42FZ034 are UL & CSA qualified. Using HK42FZ034 board maintains UL and CSA qualification of the furnace  	Even if a generic board is UL & CSA qualified, the furnace will not be qualified using the generic board as a replacement.

Electrical

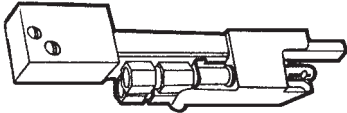


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Sales Centers

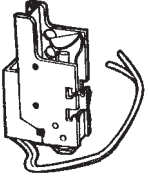
Printed in the U.S.A. • Edition Date: 04/2011

Lit. No.: 570-945



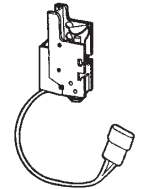
The 2H Pilot has SPDT switch action for use with 11 volt glow coil systems.

No.	Pilot Size	Gas	Orifice Size
LH680006	2H w/Coil	Nat.	.021
LH680004	2H w/o Coil	Nat.	.021



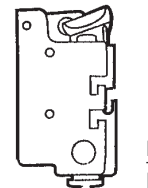
LH33JZ053 is a differential expansion pilot equipped with a 2 lead SPST switch for use with glow coil or spark ignition.

No.	Pilot Style	Orifice Size
LH33JZ053	732C	.017



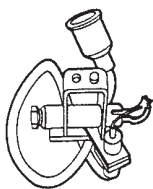
Differential expansion pilot equipped with a 3-lead SPDT switch for use with glow coil or spark ignition.

No.	Pilot Style	Orifice Size
LH680005	740A	.017



The 734 model pilot burner is for use with a 30 MV thermocouple in standing pilot applications. Snap in or threaded thermocouples may be used.

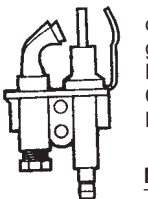
No.	Pilot Style	Orifice Size
LH31JZ022	734	.017



The following "J" style pilot burners are for use with LH22CM600 spark igniter.

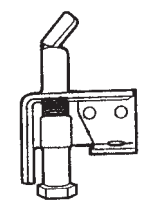
Burners come with spark electrode and high tension lead and insulating boot attached. Sensor LH33CM018 and spark generator LH33CZ007 required.

No.	Hood Position	Lead Length (in.)	Orifice Size
LH31CM017	LH	17.0	.023
LH31CM023	ST	18.0	.018
LH660003**	ST	12.5	.023,.009
LH660004	LH	170	.023



The !345 pilot burner includes pilot orifice, spark electrode and flame ground. This burner is for use with Honeywell S86 spark module. Converts to LP gas with LH32RM015 pilot orifice.

No.	Gas	Orifice Size
LH680001	Nat.	.018



This LH31RB015 model pilot burner is used in standing pilot applications. 2 pilot orifices are provided. One for natural gas is installed in the burner. The extra one is for use with L.P. gas.

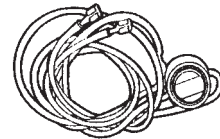
No.	Gas	Orifice Size
LH31RB015	Nat.	.016
	L.P.	.010



Switch Rating:
25 AMPS
Non-Inductive
25 VA Pilot Duty
@ 120-277 VAC

No.	Contact	Temperature		Reset	Cap Lgth
		Open	Close		
HH22HA141	SPST	160	140	Auto	24
HH22HA191	SPST	190	150	Auto	48
HH22HA225	SPST	225	185	Auto	48
HH22HA236	SPDT	225	185	MAN	30

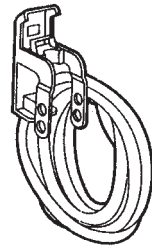
Temperature Switch / Freeze-Stat



- Tube Mounted
- Snap Action
- Sealed Contacts
- 48" Lead

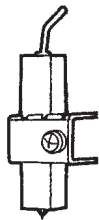
FLA 120V 5.8 AMP/240V 2.9 AMP

No.	Contact	Temperature Open	Temperature Close	Cap Lgth
HH18HB031	SPST	30	45	3/8



This igniter coil assembly is used with pilot burners LH680005 and LH33JZ053. Glow coil voltage source must be limited to maximum of 11 volts.

No.	Pilot Style	Nom. Volts
LH39JZ020	740	10



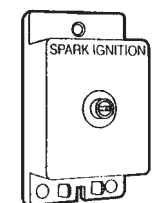
Designed specifically for use with LH68005 and LH33JZ 053 pilot burners. Locating tabs and locking screw provide accurate location for required spark gap. Spike connection replaces quick connect style.

No.	Model
LH680512	AM11
301286702	Wire



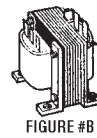
Provided with mounting clip. 60" leads with 5/64" thick insulation.

WHITE-RODGERS	
No.	Model
LH33EW058	760-679



This solid state igniter features push on high tension lead connector. Igniter provides continuous spark until pilot flame is established. 24 volt system.

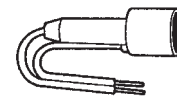
No.	Function	Volts
LH33WZ510	Non-100% Lockout	24
LH33WZ512	5 Min. 100% Lockout	24
LH33WZ513	5 Min. 100% Lockout w/20 Sec. Pilot Gas Prepurge	24



- For low and medium VA requirements
- Use to step down voltage for control circuits
- Large selection of ratings and mounting

No.	Fig	VA	Primary Volts	Sec Volts
HT01BC116	A	40	120	24
HT01BD459	A	40	460	24
HT01BD201	B	40	200/230/460	24
HT01AW230	A	60	200/230	24
HT01AW229	A	60	115/200/230	24
HT01BD236	B	75	200/230/460	24

In-Line Fuse Holders



For GLQ and GMQ type fuses.

No.	Amps	Volts
HLQ1K0656	5 or less	300

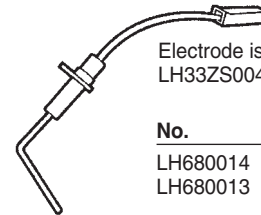
GMQ 3 2/1032/10 Replacement Fuse



This sensor is required for use with the LH33CM600 spark igniter. It is designed for mounting on the Penn "J" style pilot burners.

No.	Model
LH33CM018	Y75

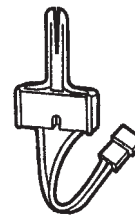
Flame Sensor



Electrode is designed for use with LH33ZS004 Hot Surface Igniter.

No.	Model
LH680014	80% Furnaces
LH680013	90% Furnaces

Hot Surface Igniter



Designed for use with LH680-12 or 013 flame sensor.

No.	Model
LH33ZS004	271
LH33ZG001	

To obtain CARRIER, BRYANT, and PAYNE OEM parts:

Please call with

CARRIER Model Series S/N

Bryant Model
PAYNE Product Code
S/N

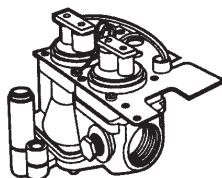
Electrical

TOTALINE PARTS



Gas Valve

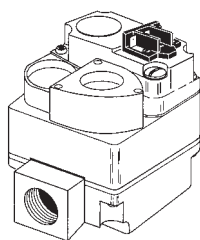
This gas valve is used with the G60 ignitor mounted on the valve. Ignitor part number



LH33CM600

No.	Connection
EF33CZ206	1/2" X 3/4"

Gas Valve

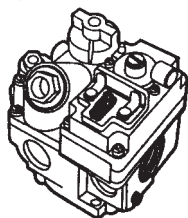


No Pilot Tap

This valve replaces the old diaphragm style gas valves A634, A635, A638, A639, A640, A641. When changing diaphragm valve leave regulator on and omit the vent tube.

No.	Connection
36C21-411	3/4" x 3/4" with reducers

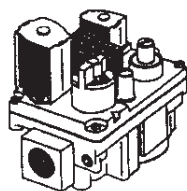
Gas Valve with Pilot Tap



This gas valve replaces the old style A643 valve. Slow opening gas valve.

No.	Connection
EF53CK198	1/2" x 1/2"

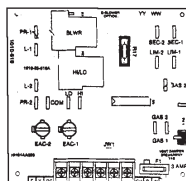
Gas Valve



No.	Connection
EF32CW233	1/2" x 3/4" with pilot tap intermittent
EF32CB201	1/2" x 1/2" No pilot tap Direct Spark
EF660015	1/2' x 1/2" HSI



Circuit Boards



No.	Description
HH84AA020	Non-Draft Induced
HH84AA021*	Draft induces, NOT hot surface ignition, with induced draft board
CESO110057-02	Single stage, draft induced, hot surface Prior 4/97
CESO110074-01	Single stage, draft induced, standing pilot
325878-751	Single stage, draft induced, hot surface Prior 7/02
HK42FZ034	Single stage, draft induced, hot surface Start 7/02
HK42FZ014**	Single stage, draft induced, hot surface
HK42FZ018	Single stage 95% furnaces, draft induced, hot surface
325879-751	Two stage, draft induced, hot surface Prior 7/02
HK42FZ017	Two stage, draft induced, hot surface Start 7/02
HK42FZ028	Two stage, draft induced, hot surface, used on PG9MXA
HK42FZ012	Variable speed Prior 2/02
HK42FZ035	Variable speed Start 2/02
HK42FZ031	Variable speed, not communicating

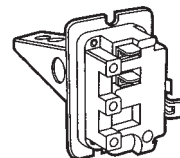
* 313680-751 is inducer board for above
** Has enhanced features

Please call our nearest location to insure the correct parts for your unit.

Please have the following:

Model No.	
Series	for Carrier Units
Serial No.	
Model No.	
Product Code	for Bryant and Payne Units
Serial No.	

Limit Switch



Adjustable No.	Size	Temperature
HH680400	3"	160 F - 250 F
HH680405	7"	150 F - 250 F
Non-Adjustable		
No.	Size	Temperature
HH12ZB160	3"	160 F
HH12ZB170	3"	170 F
HH12ZB180	3"	180 F
HH12ZB190	3"	190 F
HH12ZB200	3"	200 F
HH12ZB210	3"	210 F
HH12ZB220	3"	220 F
HH12ZB230	3"	230 F
HH12ZB240	3"	240 F
HH12ZB250	3"	250 F
HH12ZB260	3"	260 F

Temperature Switch

No.	Description
HH18HA201	Open 160° with Manual Reset
HH12HA163	Open 160° / Close 105° with Manual Reset
HH18HA195	Open 195° / Close 155° with Manual Reset
HH18HA291	Open 290° / Close 250° with Manual Reset

Rollout Switch

No.	Description
HH18HA452	Open 250° with Manual Reset
HH18HA495	Open 350° with Manual Reset
HH680353	Open 350° with Manual Reset

Draft Safety Switch

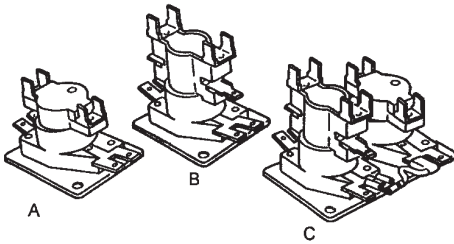
No.	Description
HH18HA493	Open 200° / Close 101°
HH18HA416	Open 215°

Limit Switch

No.	Description
HH18HA499	Open 165° / Close 125°
HH680357	Open 160° / Close 140°
HH18HA508	Open 160° / Close 120°
HH18HA502	Open 180° / Close 140°
HH18HA507	Open 185° / Close 145°
HH680352	Open 190° / Close 170°
HH18HA497	Open 190° / Close 150°
HH18HA496	Open 200° / Close 160°
HH18HA498	Open 210° / Close 190°
HH680350	Open 210° / Close 190°
HH680351	Open 220° / Close 200°
HH18HA504	Open 220° / Close 180°
HH680355	Open 230° / Close 210°
HH18HA505	Open 235° / Close 195°
HH18HA506	Open 240° / Close 200°
HH680354	Open 250° / Close 210°

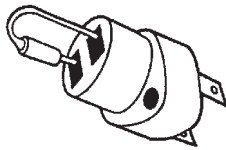


Time Delay Relays Sequencers



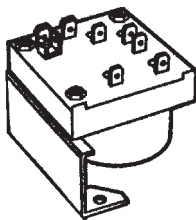
No.	Volts	Switch	Style
HN67QC005	24	DPST	B
HN67QG005	24	2 (DPST)	C
HN67QC007	24	3 (DPST)	
HN67EA032	24	SPST	A

Fusible Link



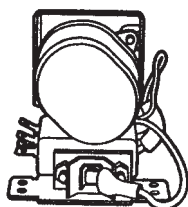
No.	Temperature F	Amps
HH12ZA205	204 F / 98 C	15
350001-2032	291 F / 144 C	

Time Guard



No.	Volts	Delay / Time
HK25MJ173	24	4 Min. / 45 Sec.
HK25MJ152	115	4 Min. / 45 Sec.
HK25MJ172	240	4 Min. / 45 Sec.

Time Guard



No.	Volts
HK25RC012	24
HK25RC011	120
HK25RC010	240

Refrigerant Safety Caps

Totaling Refrigeration Safety Caps and Keys will assist to deter refrigeration theft. Once the cap is placed on the valve, a refrigeration thief will have a difficult time stealing without the key.

R-22 Locking Valve Caps

No.	Description
P909-0002	Locking Caps 10 Pc
P909-0003	Key for R-22 Caps

R-410a Locking Valve Caps

No.	Description
P909-0005	Locking Caps 10 Pc
P909-0006	Key for R-410a Caps

Compressor Plug Round/Flag Terminals

Kit Contains:
Compressor Plug Assembly and
(6) 6" Wire Ties



No.	Wire AWG	Wire Length
P298-001	10	62"

Fuses

Fast-Acting Automotive



Type Blade	Amps	Volts
ATO3	3	32 VAC
ATO5	5	32 VAC

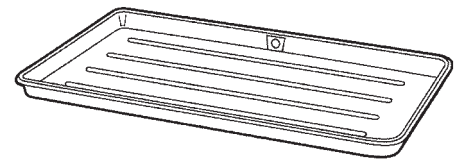
Please Call Our Nearest Location to Insure the Correct Parts for Your Unit.

Please Have the Following:

Model No. Series Serial No. for Carrier Units

Model No. Product Code Serial No. for Bryant and Payne Units

Condensate Drain Pans



Totaline Condensate Drain Pans prevent harmful overflow moisture from reaching ceiling tiles, insulation or living space. Especially used in the attic installations and for suspended installations such as hotel lobbies.

Will not rust, corrode, or collapse when filled with water. All pans are furnished with a 3/4" PVC outlet for drain line. For new construction, place pan on 3/4" plywood for greater support.

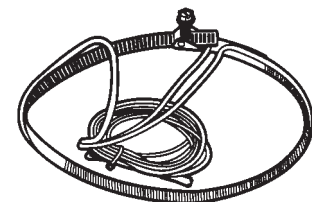
- New ribbed bottom for rigidity and reinforced corners.

Pan Depth: 2"

No.	Bottom I.D.	Top O.D.
P120-2763L	27" x 63"	29" x 65"
P120-2763S	27" x 63"	29" x 65"
P120-3030L	30" x 30"	32" x 32"
P120-3060L	30" x 60"	32" x 62"
P120-3636L	36" x 36"	38" x 38"

L = Drain line outlets on Long Side
S = Drain line outlets on Short Side

Crankcase Heaters



No.	Volt	Watt	Circumference	
			Min	Max
P041-4423	240	40	23"	35-1/4"
P041-4441	460	40	23"	35-1/4"
P041-4443	240	40	20"	25"
P041-4444	460	40	20"	25"

Used on Compressor Models:

P041-4423 & P041-4443: Tec-AJ
Cope-RR, SR, ZRK
Car-SC, SR

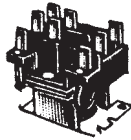
P041-4441: Cope-RR, SR
P041-4444: Car-SC, SR
Cope-ZRK

Electrical

RELAYS



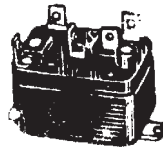
RBM Type 91 Enclosed Switch Two Pole Double Throw



1 and 2 and 4 and 5 are normally closed and across 1 and 3 and 4 and 6 are normally open. Power contacts rated 12A-125V, 6A-250V per pole.

No.	Coil Volt	1-2-3 Term	4-5-6 Term	Each
48462	24	Power	Power	\$17.14
48472	115/120	Power	Power	\$17.58
48482	208/230/240	Power	Power	\$17.58

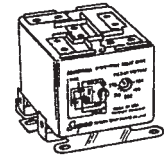
RBM Type 84 and 184 Totally Enclosed Single Pole Relay



Normally Open Single Throw Rated 8AMP 125/250 Volt

No.	No. 84-	Volts	Each
48426	20105-109	24	\$13.42
48427	20205-109	115-120	\$16.60

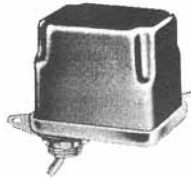
APR-5 Adjustable Potential Relay



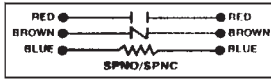
The APR-5 allows exact replacement of virtually all potential relays with pick-up voltages from 130 to 370. If pick-up voltage is unknown there are suggested settings in the installation instructions.

No.	Model	Adj Pick-up	Each
60478	APR-5	130 to 370	\$45.00

Add-A-Relay



ADD-A-Relay Enclosed Switching Base with a bushing, locknuts and position locking plate to mount this relay in a standard electrical box with half-inch knock out. Completely enclosed and operates in any position. 18 amp continuous 1 hp at 120v; 1 1/2 HP at 250v. One single pole normally open and one single pole normally closed terminals.



No.	RBM Steveco	Coil Volts	Contacts	Each
48495	90-123	24	NONC	\$93.62
48496	90-124	120	NONC	\$92.74

Spade Terminal

No.	No. 84-	Volts	Each
48450	90-360	24	\$13.44
48451	90-362	115-120	\$16.94
48452	90-364	230/240	\$19.84

Double Throw Rated 8 Amp 125/250 Volt

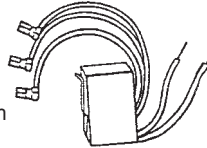
No.	No. 84-	Volts	Each
48429	20106-309	24	\$15.14
48430	20206-309	115-120	\$17.90

Spade Terminal

No.	No. 84-	Volts	Each
48453	90-370	24	\$15.90
48455	90-374	230/240	\$26.40

Sealed Unit Parts Solid State Relay & Overload

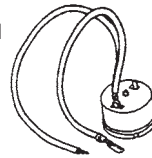
Provides emergency replacement for hermetic compressor relay and overloads from 1/8 through 1/3 HP, 115 or 220 volts.



No.	Model	HP Range	Max Amps Voltage (FLA)	Each
60470	RO-81	1/12-1/5	115 5.0	\$15.42
60472	RO-41	1/4-1/3	115 7.7	\$19.64

Sealed Unit Parts Replacement Overload Kit

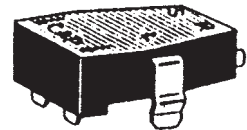
New replacement overload kit will replace any overloads 3/4" dia. 115 volt 1/12 through 1/2 HP Kit consists of 10 replacement overloads and comes complete with cross reference chart and instructions. Chart shows which overload to use to replace Klixon No. and cross references compressor model numbers to overloads by finding the locked rotor amperage on compressor and selecting from table, proper replacement. If your locked rotor current falls between 2 ranges, use larger rating.



No.	Model	Each
60580	OV-Kit of 10	\$132.08

No.	LRA	SUPCO	Each
60583	14.0 to 15.5	OV34	\$12.36
60584	16.0 to 18.0	OV36	\$13.12
60585	18.5 to 22.0	OV38	\$13.12
60586	22.5 to 26.5	OV40	\$12.36
60587	27.0 to 31.0	OV42	\$12.36
60588	31.5 to 35.5	OV44	\$12.36
60589	36.0 to 40.0	OV46	\$12.36

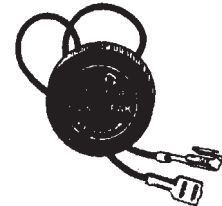
Sealed Unit Parts Solid State Push On Relay



Similar to 1C Relay but made to replace the push on current type relay. Will replace relays on 1/12 to 1/2 HP compressors. Not suitable for instant on and off application.

No.	Volts	Each
60571	115	\$11.04

Sealed Unit Parts Pow-R-Pak Solid State

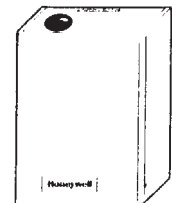


For Hard Starting Units

This small sized unit acts as relay that can be used with a start capacitor. One Model for 110V or 220V AC and for air conditioners from 4000 to 60,000 BTU about 1/2 through 5HP.

No.	Each
60570	\$15.80

Honeywell Switching Relay

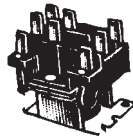


For Low Voltage Thermostats RA89A, RA832A, R45A

Relays have low voltage transformers that supply current. No. 70456 switches one line voltage load and No. 70457 switches 2 line voltage loads having a common power source and switching only for a separate low voltage load.

No.	Full Load	Honeywell Switch	Each
70456	7.4 FLA at 120V/ 5.1 FLA at 240V	RA89A1074 SPST	\$109.58
70457	7.2 FLA at 120V/ 3.6 FLA at 240V	RA832A1066 DPST	\$140.18

Honeywell Fan Relays R8222D



These plug-in fan relays are rated 12 amps on full load 120V AC. No 70482 replaces fan relays in R851, R8100 and R8101 series and R8102 panels, 24 Volt operating coils. DPDT switch.

No.	Model	Description	Each
70482	R8222D 1014	Fan Relay	\$25.08

Tecumseh Solid State Push On Relay SSR3



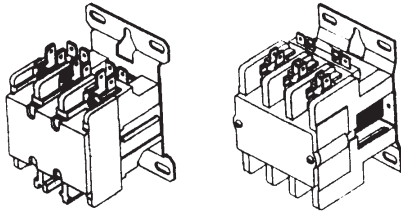
One rating that will work on 115V resistance start induction run household refrigerator & freezer compressors. No moving parts. No mounting restrictions. Do not use this relay on capacitor start induction run compressors or compressors that rapidly recycle because the relay must have enough time between starts to cool off. Only 1-5/16" long & 1-1/16" wide. Has pin type push on terminals with 1/4" push or terminals with 1/4" push or terminals for wiring connections. Complete with instructions and push on terminal for screw connection.

No.	Voltage	Each
35907	115V	\$34.36

Electrical



Furnas Contactors



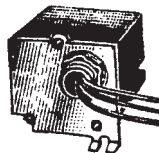
No.	FL Amps	Poles	Coil Volts	Each
72903	30	2	24	\$21.60
72904	30	2	110	\$21.60
72905	30	2	208/240	\$21.60
72906	30	3	24	\$54.68
72907	30	3	110	\$54.68
72908	30	3	208/240	\$54.68
72940	40	2	24	\$42.86
72941	40	2	110	\$42.86
72942	40	2	208/240	\$42.86
72909	40	3	24	\$59.92
72910	40	3	110	\$59.92
72911	40	3	208/240	\$59.92
72914	40	4	208/240	\$94.32
72915	50	3	24	\$154.28
72916	50	3	110	\$154.28
72917	50	3	208/240	\$137.74
72918	60	3	24	\$158.06
72919	60	3	110	\$158.06
72920	60	3	208/240	\$158.06
72939	75	3	24	\$286.46
72936	75	3	110	\$286.46
72937	75	3	208/240	\$286.46
72945	90	3	24	\$327.98
72943	90	3	110	\$393.08
72944	90	3	208/240	\$327.98

Auxiliarys for Furnas Contactors

Auxiliary switches for 25 & 60 amp con-slip on the side and no disassembly required. The 75, 90, 120 amp you have to remove the base plate.

No.	Switching	Amps	Each
72955	1 NO & 1 NC	25 to 60	\$60.68
72956	1 NO	75 & 90	\$33.70
72957	1 NC	75 & 90	\$27.34

Honeywell Fan Relays R8225

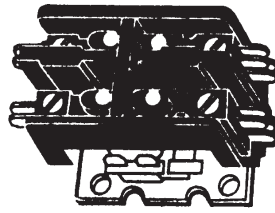


Honeywell fan relays give 24V circuit control of line Voltage Circuit for fans, motors, etc. completely enclosed relay with 1/2" conduit spud for mounting on a junction box.

Full Load

No.	R8225	120V Switch	N.O.	N.C.	Each
73672	A1017	SPDT	16A	9.8	\$85.12
73674	D1003	DPST	18A	9.8A	\$99.38

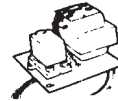
Totaline Contactors



No.	Amp	Poles	Coil Volts	Term
P282-0311	30	1	24	Screw
P282-0312	30	1	120	Screw
P282-0313	30	1	208 / 240	Screw
P282-0321	30	2	24	Screw
P282-0322	30	2	120	Screw
P282-0323	30	2	208 / 240	Screw
P282-0431	40	3	24	Lug
P282-0432	40	3	120	Lug
P282-0433	40	3	208 / 240	Lug

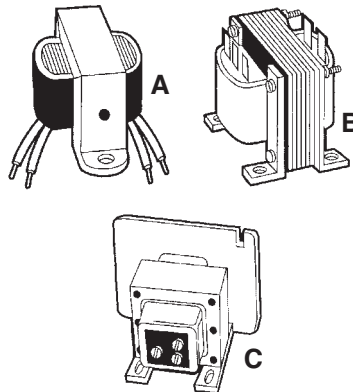
Fan Center

Relay / transformer fan control center with totally enclosed relay. Mounts to 4" electrical box.



No.	VA	Sec	Primary	Switch	Each
38671	40	24	120	SPDT	\$63.32
HONR8239B1076	50	24	120,208/240	DPDT	\$115.54

Totaline Transformers

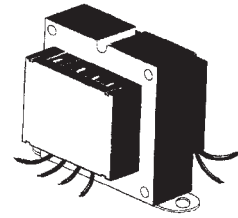


No.	Fig	VA	Primary	Sec
HT01BC116	A	40	120	24
HT01BD459	A	40	460	24
HT01BD209	B	40	208/230	24
HT01BD201	B	40	208/230/460	24
HT01AW230	A	60	200/230	24
HT01AW229	A	60	115/200/230	24
HT01BD236	A	75	200/230/460	24
HT01BD242	B	75	200/230/460	24
P201-35150*	C	50	120/208/240	12/24

* Supplied with 9" leads

CONTACTORS | TRANSFORMERS

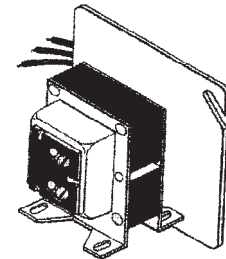
Jard Transformers



Foot mount transformer

24 Volt Secondary

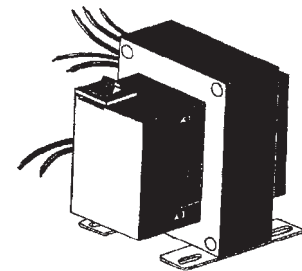
No.	VA	Primary	Each
4031F	40	120/208/240	\$23.16



Foot or Spud mount includes 1900 cover plate.

24 Volt Secondary

No.	VA	Primary	Each
4031M	40	120/208/240	\$36.54
5031M	50	120/208/240	\$40.36
7541M	75	120/208/240/480	\$68.28



Foot mount with externally fused secondary volts. Circuit breaker type fuse.

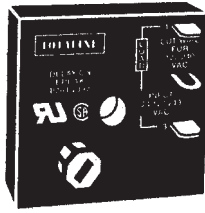
24 Volt Secondary

No.	VA	Primary	Each
5041C	50	120/208/240/480	\$59.62
7541C	75	120/208/240/480	\$89.54
10041C	100	120/208/240/480	\$145.48

* Supplied with 9" leads

Electrical

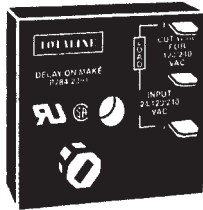
Time Delay on Break



Can be used to protect air conditioning, refrigeration and heat pump equipment from damage which may be caused by the rapid short cycling of compressors. Upon application of power, the load is energized. When the thermostat opens or there is a loss of power, the load is de-energized and the delay period begins. The compressor will not start again during the delay period. SPST, NO. Totaline P284-2392 / ICM 203

No.	Delay	Volts	Each
01705	1.8 to 600 sec.	18 to 240	\$12.86

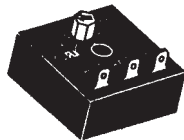
Time Delay on Make



Ideal for compressor staging and stagger-starting multiple units. Helps to reduce power surges in multiple compressor applications. When power is applied to the input, the time delay begins. After the time delay is complete, the load energizes and remains energized as long as power is applied. The control is reset by removing power during or after the time delay period. SPST, NO. Totaline P284-2391 / ICM 102

No.	Delay	Volts	Each
01706	1 to 1,023 sec.	18 to 240	\$18.30

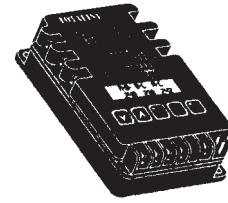
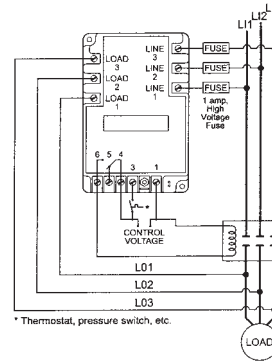
Bypass Timer



On Delay interval timer or Normally Closed delay on make, designed to bypass a control or device during startup. Typically used to bypass a low pressure switch during compressor heat pump startup or an oil pressure switch upon startup. Helps to eliminate nuisance lockouts. Ideal for low ambient startups. With power applied to the input, the load energizes immediately and remains energized for the length of the time delay, regardless of the state of the switch being bypassed. At the end of the time delay the condition of the load is determined by the state of the switch. SPST, NO. Totaline P284-2397 / ICM 175

No.	Delay	Volts	Each
01704	10 to 1,000 sec.	18 to 240	\$22.50

3-Phase Line Voltage Monitor



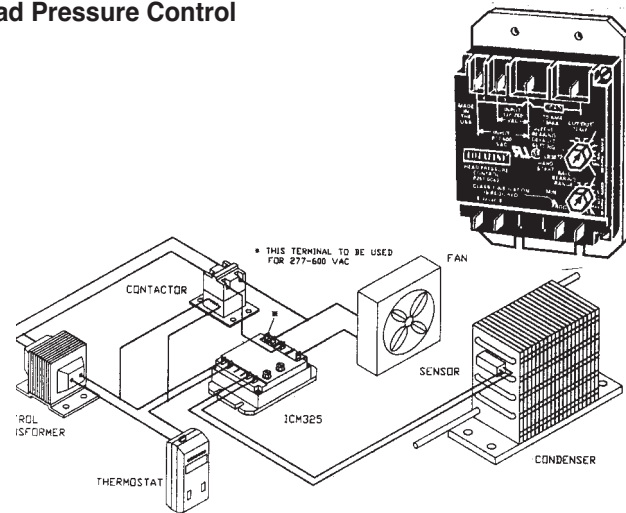
Three phase monitors are designed to protect motors and other loads from premature failure and damage due to common voltage faults such as voltage unbalance, over and under voltage, phase loss, reversal, incorrect sequencing and rapid short cycling.

- Programmable 25 fault memory storage
- Independent high-low voltage settings for dual voltage compressor applications.
- Auto or Manual reset
- SPDT

 Totaline P251-0091 / ICM450

No.	Control Voltage	input Voltage	Each
01514	18 to 240	190 to 600	\$279.64

Head Pressure Control



Designed specifically for HVAC and Refrigeration applications, it is a temperature sensitive fan motor speed control which regulates head pressure at low ambients by varying the air volume through the condenser. Its unique construction permits exceptionally quick response times to changes in liquid line temperatures.

- Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions.
- Controls head pressure by varying the amount or airflow through the condenser.
- Features: hard start, low temperature cutoff, high temperature bypass, isolated 24 VAC supply.

 Totaline P251-0083H / ICM 325K2

No.	Sensor Temp	Voltage	Each
P251-0083H	70 to 100 Deg.	120 to 600	\$224.58

Electrical