

REPLACEMENT COMPONENTS

invensys™ ALUMINUM TUBING



1/4" OD x 5' Aluminum Tubing.

Locke#

L0548 11-293 1/4" OD x 5' Aluminum Tubing

Honeywell FAN CONTROL CENTERS



Provide low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling, or air conditioning systems.

For Two-Speed Fan Motor.

Locke#	L4542
Vendor#	R8285A1048
Switching	Spdt
Leadwire Color Code	Black-common Red-N.O. contact Brown-N. C. contact
Replacement Relay	R8222B
Input Voltage	120v (at 50/60 Hz)
Remarks	For two-speed fan motor.

For "Total Comfort" Applications

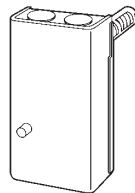
Locke#	L4543
Vendor#	R8285B1038
Switching	Dpdt
Leadwire Color Code	Pole 1 - Black-common Red-N.O. contact Brown-N.C. contact; Pole 2- Violet-common Red/Yellow-N.O.contact Yellow-N.C. contact
Replacement Relay	R8222B
Input Voltage	120v (at 50/60 Hz)
Remarks	For "total comfort" applications with electronic air cleaner, humidifier & blower motor.

White Rodgers UNIVERSAL FAN & LIMIT CONTROLS



Locke#	L0776	L0777
Vendor#	5051-35	5051-90
Element Length	5"	8"
Delay Time	3 min.	3 min.
Description	Fan Limit	Fan Limit
Range	50-265°F (10-129°C)	100-300°F (38-149°C)
Differential	Adjust. 15° F	min. fixed 25° F
Switch Action	Close on Rise	Close on Rise
120v AC	14.0A	10.0A
240v AC	7.0A	6.0A
24v AC	--	6.0A
0.3-12v DC	--	1.0A

Honeywell L4064B FAN AND LIMIT CONTROLLERS

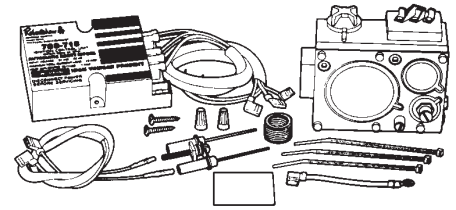


Longer, more active bimetal reacts quickly to temperature rise for superior temperature sensing. Sensing element in L4064 is designed for maximum exposure of the element to plenum conditions, helping insure the furnace

continues to meet ANSI and AGA standards for maximum 200° F plenum temperature. Manual fan switch on selected models allows continuous fan for optimum operation of an Electronic Air Cleaner.

Locke#	Model	Description
L4575	L4064B2210	11½" Insertion tube, 200°F limit stop, zinc plated cover.
L4576	L4064B2236	8" insertion tube, 200°F limit stop, zinc plated cover.
L4577	L4064B2228	5" insertion tube, 200°F limit stop, zinc plated cover.

invensys™ FLAME RECTIFICATION KITS AUTOMATIC RELIGHT SP715



Locke#	Order#
L0532	712-017
Gas Valve	Ignition Unit
71000 (720-070) 1/2" x 3/4"	SP715 (780-715) Non-lockout
Description	
Natural Gas only Non-lockout. Valve is designed for natural gas. Pressure regulator is factory set at 3.5" W.C. 200,000 Btu Max. W.C. CAUTION: DO NOT USE ON L.P. GAS APPLICATIONS.	

Locke#	Order#
L0533	712-008
Gas Valve	Ignition Unit
(700-070) 1/2" x 3/4"	SP735 (780-735) Lockout
Description	
L. P. Gas only-Lockout. Gas valve has natural gas regulator set at 3.5" W.C. A separate L.P. gas pressure regulator set at 11.0" W.C. is also included. 200,000 Btu Max. Nat. Gas/ 320,000 Btu Max. LP Gas.	

Check out our website lockesupply.com For directions to our stores, credit services, catalog PDFs and more.

HVAC

invensys™
NORTON HOT SURFACE FURNACE IGNITORS

Locke#	Vendor#	Wire Nut	Terminal Block	Description
L1338	41-404	*	*	Weil-Mclain 511-330-190
L1345	41-411	*	*	Rheem 62-22868-82
L1346	41-412	*		Goodman B1401009, Intercity 1009604

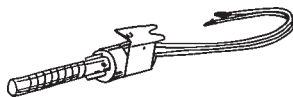
invensys™
POPULAR HOT SURFACE FURNACE IGNITORS

Locke#	Vendor#	Description
L1335	41-401	Norton 271A & 201A
L1336	41-402	Rheem 62-22441-01, Norton 271W, 271N, 201W & 201N
L1337	41-403	American Standard IGNO030, Snyder General 1380654, G.E. & Trane WG37X11, WG37x34, IGN26, Norton 271 & 201
L1339	41-405	Norton 201D & 271D
L1340	41-406	Norton 271Y & 201Y
L1341	41-407	Trane IGN30/ IGN23
L1342	41-408	Rheem 62-22441-01
L1343	41-409	Trane IGN26
L1344	41-410	Trane B144676P01

**Check out our website
lockesupply.com
 For directions to our
 stores, credit services,
 catalog PDFs and more.**



UNIVERSAL HOT SURFACE IGNITOR
Carries two styles of brackets that are replacements for Carrier, Norton, Rheem & others.



Large Bracket Applications replace:
41-403, 41-407, 41-409
 Small Bracket Applications replace:
41-402, 41-405, 41-408, 41-410

IG100 Series Gas Furnace Ignitor replaces:
YORK 025-32626-000, 373-05342-700, 473-12509-001

Locke#

L4442 SIG1000 Universal Hot Surface Igniter

L4452 SIG102 Gas Furnace Igniter



SILICON NITRIDE UNIVERSAL HOT SURFACE IGNITER KIT

Replaces over 100 igniters and incorporates durable and energy saving Silicon Nitride (Si3N4) technology.

- Kit includes igniter, universal breakaway mounting bracket, hardware & instructions.
- Compact design
- CSA approved
- Longer igniter life (non porous).
- Low energy consumption uses half the power of Silicon Carbide igniters.
- Superior gas lighting ability, faster time to temperature response.
- No need for power supply module.

Locke#

L1102 SSN2000 Economical 120v Universal igniter kit, 1 year warranty, 50k cycles

L1130 SSN3000 Heavy Duty 120v Universal igniter kit, 2 year warranty, 50k cycles

L1129 SSN4000 Mini 120v Universal igniter kit, 3 year warranty, 200k cycles



FLAT HOT SURFACE FURNACE IGNITERS



- Faster time to temperature response
- Stronger more durable design
- More robust in transit
- Higher resistance to oxidation
- Longer usable life
- 18ga nickel copper high temperature fiberglass insulated lead wires
- All kits include the necessary hardware, instructions (where applicable) and cross reference information for easy installation.
- Lower power consumption
- Superior gas lighting ability

Locke#	L1120	L1121
SUPCO#	IG402K	IG403K
Robertshaw#	41-402 41-408 41-410 41-411	41-403 41-404 41-407 41-409
Ceramic Block	W	M

Locke#

L1120 IG402K Flat Hot Surface Furnace Igniters

L1121 IG403K Flat Hot Surface Furnace Igniters



UNIVERSAL 24v SILICON NITRIDE IGNITER & FLAME ROD ASSEMBLY KIT



- Silicon Nitride design for strong, durable operation and performance.
- Low energy consumption.
- Backward compatible with all 24 Volt Honeywell 1st & 2nd second generation Smart Valves.
- Specifically used in the Honeywell Smart Valve™
- CSA approved

Includes: Pre-assembled SiNi igniter & Ni Chrome flame rod, mounting clip, instructions and cross – reference.

Locke#

L1103 SSN24 Universal 24v Silicon Nitride Igniter & Flame Rod Assembly Kit

HVAC

Hot Surface Ignitor S

White
Rodgers

SILICON CARBIDE HOT SURFACE IGNITOR

Highly Reliable Ignition Source that is Not As Position Sensitive as Spark Ignition



FEATURES

- Multiple mounting styles
- Works with 15, 17, or 45 second HSI systems.

SPECIFICATIONS

Electrical Rating..... 120 VAC, 60 Hz, 5.0 amps
Agency..... A.G.A. and C.G.A. design certified

Locke#	Model#	Replaces OEM Type Number	O.E.M. Type		Both O.E.M. & Replacement	
			Lead Length	Lead Insulation Temp. Rating	Electrical Connection	Ceramic Insulator Mounting Locator.
L2449	767A-356	767A-309 767A-356	4½" 9"	200 c 250 c	Two (2) terminal receptacle with .093 male pins	Sealed combustion (see figure #1)
L2450	767A-357	767A-303 767A-353 767A-357	4½" 6" 9"	200 c 250 c 250 c	Two (2) terminal receptacle with .093 male pins	Tab on left side (see figure #2)
L2451	767A-361	767A-301 767A-306 767A-350 767A-354 767A-361	4½" 6" 4½" 9" 9"	200 c 250 c 250 c 250 c 250 c	Two (2) terminal receptacle with .093 male pins	Tab on right side (see figure #3)
L2452	767A-365	767A-310 767A-365	4½" 9"	200 c 250 c	1/4" female spade terminals insinuated	Tab on right side (see figure #4)
L2453	767A-366	767A-311 767A-364 767A-366	4½" 4½" 9"	200 c 250 c 250 c	Two (2) terminal receptacle with .084 male pins	Tab on right side (see figure #5)

Honeywell GLOWFLY™ UNIVERSAL HOT SURFACE IGNITER



The Q3200U Universal Hot Surface Igniter Kit is designed to provide a robust field service replacement igniter in gas fired appliances with Norton/St Gobain 120 VAC silicon carbide hot surface igniters. The Q3200U uses a 120 volt silicon nitride igniter design with long life and high resistance to damage or burn out in the appliance. The kit includes the specially designed silicon nitride igniter and six different bracket configurations to adapt the igniter to the specific appliance application along with accessory parts to allow mounting and wiring the igniter. Clear instructions and application templates are provided to simplify selection of the proper bracket and ease installation of the replacement.

Locke#

L3685 Q3200U2002 Glowfly™
Universal Hot Surface Igniter

White Rodgers UNIVERSAL IGNITOR UPGRADE KIT



Kit Includes: Nitride Ignitor with 15.5" Leads, One "Universal" Mounting Bracket and Screw, Mounting Adapter Bracket, 2 Ceramic Wire Nuts, Manufacturer Cross-Reference, Nitride Upgrade Furnace Label, Instruction Booklet

Locke#

L0896 21D64-2 Ignitor Upgrade Kit

L3685 added on 11/28/11

HVAC

invensys™ FLAME SENSOR



The 10-681 flame sensor replaces Carrier/BDP part# LH33WZ511 & is used in a system with the 41-409 hot surface ignitor.

Locke#

L0538 10-681 Flame Sensor for Carrier/BDP

Honeywell Q345A IGNITOR SENSOR, Q347A SPARK IGNITOR & Q354A FLAME SENSOR

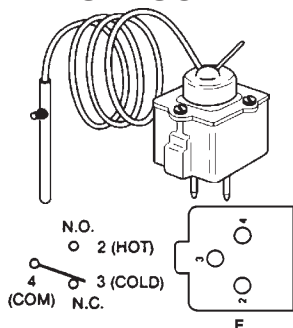


L4583

Locke#	Vendor#	Description
L4583	Q345A1305	Igniter Sensor

White ▾
Rodgers

MERCURY FLAME SENSOR

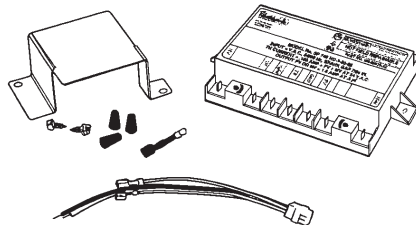


Original Capillary Length: 24v AC
Original panel Types**: 0.03 amps
Suggested Replacement No.: 3098-156

Locke#

L0579 3098-156 Mercury Flame Sensor

invensys™ IGNITION CONTROLS



L0402 - The automatic recycle features assure that, in the event of flame failure, main gas is disabled and the spark repetition sequence is restarted until pilot gas is ignited. Only after pilot ignition has been reestablished can main gas be returned to the burner.

Locke#

L0402 780-002 Ignition Control (lockout)

invensys™ IGNITION CONTROLS



L0405 - Universal lockout model. Replaces SP735 and SP735A. Has three 60 second valve trials interrupted by a five minute purge cycle before 100% lockout.

Locke#

L0405 780-745 Ignition Control Unit (lockout)

invensys™ IGNITION CONTROLS

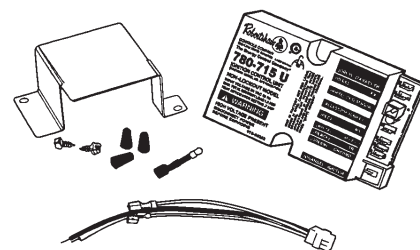


L0750 - Universal Hot Surface Ignition Module Uni-Kit. Designed for use on gas fired systems. Equipped with a self diagnostic green LED for quick trouble shooting. The LED indicates if the system is in normal operation, has gone into lockout, has a weak flame signal or has an internal error.

Locke#

L0750 780-910 Ignition Control Uni-Kit (lockout)

invensys™ IGNITION CONTROLS



L0401 - The automatic recycle features assure that, in the event of flame failure, main gas is disabled and the spark repetition sequence is restarted until pilot gas is ignited. Only after pilot ignition has been reestablished can main gas be returned to the burner.

Locke#

L0401 780-001 Ignition Control (non-lockout)

invensys™ IGNITION CONTROLS



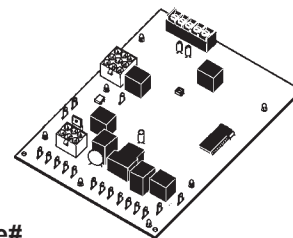
L0404 - Flame resuscitation system. Use with gas valves 7000BDER and 7100DER. Has 60 second lockout timing.

Locke#

L0404 780-725 Ignition Control Unit (universal lockout)

White ▾
Rodgers

50A62-820 NEW UNIVERSAL SILICON NITRIDE INTEGRATED IGNITION MODULE



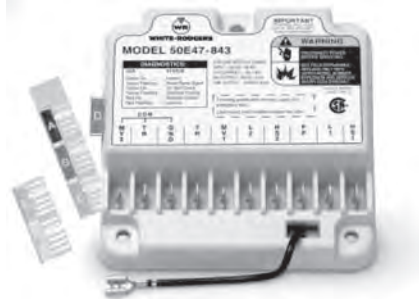
Locke#

L2456 50A62-820 Silicon Nitride Integrated Ignition Module

White ▾

Rodgers

UNIVERSAL CARBIDE NON-INTEGRATED HOT SURFACE IGNITION MODULE



FEATURES

- Program Keys
- Tri-Color LED Indicator for Diagnostics
- Direct and Indirect Flame Sense

SPECIFICATIONS

Dimensions: 4.13"W x 4.13"H x 1.5"D
Electrical Rating: Input 18 to 30 VAC, 25 VAC nominal Max. Input Current @ 25 VAC; 250mA @ 25 C°
Relay Load Settings:
 Valve Relay: 1.5 amps @ 28 VAC 50/60 Hz .6pf
 Ignitor Relay: 1.52 115 VAC 50/60 Hz resistive

The 50E47-843 Universal Module Replaces the Following Carbide Non-Integrated Modules:

White-Rodgers		
50E47/50F47-1 THRU 79		
50E47/50F47-101 THRU 179		
50E47/50F47-201 THRU 279		
50E47/50F47-301 THRU 379		
Installation Note: When installing, see the installation instructions for a complete timing specifications cross-reference guide.		

Honeywell		
S89C 1004	S89G 1021	S890G 1003
S89C 1012	S89G 1047	S890G 1011
S89C 1046	S89H 1003	S890G 1029
S89C 1087	S89H 1011	S890G 1037
S89C 1103	S89H 1029	S890H 1002
S890 1002	S89J 1008	S890H 1010
S89G 1005	S890C 1007	S890H 1028
S89G 1013	S8900 1006	

Robertshaw		
HS780-17NL-104A	HS780-17PL-304A	HS780-34NR-306A
HS780-17NL-106A	HS780-17PL-306A	HS780-34NR-308A
HS780-17NL-108A	HS780-17PL-308A	HS780-34NR-312A
HS780-17NL-304A	HS780-17PR-104A	HS780-34PL-104A
HS780-17NL-306A	HS780-17PR-106A	HS780-34PL-106A
HS780-17NL-308A	HS780-17PR-108A	HS780-34PL-108A
HS780-17NR-104A	HS780-34NL-106A	HS780-34PL-304A
HS780-17NR-106A	HS780-34NL-108A	HS780-34PL-306A
HS780-17NR-108A	HS780-34NL-304A	HS780-34PL-308A
HS780-17N R-304A	HS780-34NL-306A	HS780-34PR-106A
HS780-17NR-306A	HS780-34NL-308A	HS780-34PR-108A
HS780-17NR-308A	HS780-34NL-312A	HS780-34PR-304A
HS780-17NR-312A	HS780-34NR-104A	HS780-34PR-306A
HS780-17PL-106A	HS780-34NR-106A	HS780-34PR-308A
HS780-17PL-108A	HS780-34NR-304A	

Locke#		
L2454	50E47-843	Carbide Non-Integrated Hot Surface Ignition Module

White ▾

Rodgers

50A55-843 NEW UNIVERSAL SILICON CARBIDE INTEGRATED IGNITION MODULE



50A55-843
 Replaces all
 50A50/50A55's

SPECIFICATIONS AND TIMING CHART

Electrical Ratings @ 77°F (25°C)
Input Voltage: 25 VAC 50/60 Hz
Maximum Input Current: @ 25 VAC 0.45 amp
Operating Temperature: -40° to 176°F
Humidity: 5% to 93% relative humidity (non-condensing)

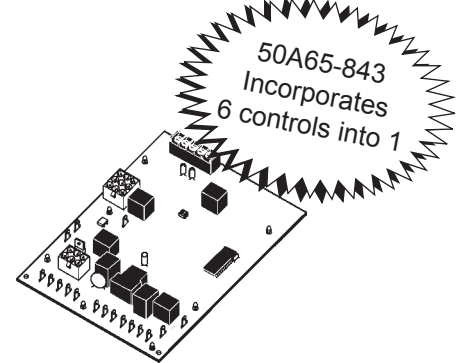
Pre-Purge	30
Trial for Ignition	4
Ignition Activation Period	1
Valve Sequence	12
Interpurge	60
Post-Purge	15
Lockout Time	300
Heat on Delay	3 0, 45
Heat off delay	60, 90, 120, 180
Cool on Delay	5
Cool off Delay	45, 90
Retries	2 Times
*Note all timings are in seconds. The 50A55-843 also has terminals for a Humidifier and Air Cleaner.	

Locke#		
L2455	50A55-843	Silicon Carbide Integrated Ignition Module

White ▾

Rodgers

50A65-843 NEW UNIVERSAL SILICON NITRIDE INTEGRATED IGNITION MODULE



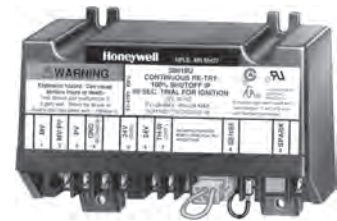
50A65-843
 Incorporates
 6 controls into 1

SPECIFICATIONS AND TIMING CHART

Electrical Ratings @ 77°F (25°C)
Input Voltage: 25 VAC 50/60 Hz
Maximum Input Current: @ 25 VAC 0.45 amp
Operating Temperature: -40° to 176°F
Humidity: 5% to 93% relative humidity (non-condensing)

Locke#		
L2457	50A65-843	Silicon Nitride Integrated Ignition Module

Honeywell S8910U UNIVERSAL HOT SURFACE IGNITION MODULE



Provides operating control of a direct ignition system using a 120 Vac hot surface igniter.

Locke#		
L4596	S8910U1000	Hot Surface Ignition Module

Buy Right
 And Save!!

HVAC

FENWAL[®] DIRECT SPARK IGNITION SYSTEM



24 VAC with Pre-purge and Multiple Trial-For-Ignition Options. This system offers an alternative to piloted ignition systems on gas fired equipment burning natural, manufactured or LP gases at input rates to 400,000 BTU per hr.

Locke#

L4566	05-296466-151	24 VAC Direct Spark Ignition System
L4470	05-329003-053	24 VAC Hot Surface Ignition Box

CAM-STAT[®] SPARK IGNITION SYSTEMS



The Cam-Stat Pilot Reigniting System is used to protect a gas pilot flame from extinguishing. This lights a standing pilot by highly intense electrical sparks, provided that gaseous fuel (LPG, Natural Gas, etc.) is available. If the pilot flame goes out, sparks immediately relight the pilot. Sparking stops as soon as the pilot flame is reestablished. Its automatic and instant lighting capability assures trouble-free operation of heating equipment with remotely located and hard-to-reach pilots.

Includes hardware kit, spark cable and PR-24 Module

- Eliminates repeat service calls.
- Very low current drain.
- All necessary hardware included.
- Installs in minutes (only 2 screws).
- Exclusive "NAIL" hi voltage connector for fast hookup.

Power Input: 24v AC

Ambient temperature: 40° F to +175° F

Recommended Spark Gap: 1/8" to 1/4"

Current Drain:

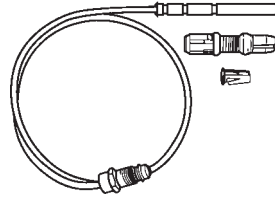
75 milliamperes max. (sparking)

High Voltage Lead: 24" Length

Locke# Model

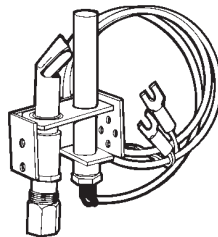
L0612	PR-24-36W	re-igniter
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Invensys™ SNAP-FIT™ THERMOCOUPLES



Locke#	Part#	Length
L0580	1980-018	18"
L0581	1980-024	24"
L0582	1980-030	30"
L0583	1980-036	36"
L0584	1980-048	48"

Invensys™ 1820 SERIES PG9 REPLACEMENT PILOT UNI-KITS



Locke#

L1333	1820-009	90° Right flame pattern, with thermopile, replaces ITT Part# PG9A42JTL020
L1334	1820-019	90° Left flame pattern, with thermopile, replaces ITT Part# PG9A41JTL020

Invensys™ NATURAL GAS PILOT ASSEMBLY Flame Pattern - 3 way



Locke#

L0376	1830-005	Natural Gas Pilot Assembly
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Invensys™ BREAKAWAY FERRULE



Locke#

L0307	1/4" OD Breakaway Ferrule
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Invensys™ PILOT ASSEMBLY

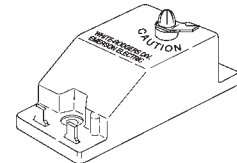


Can be used as a replacement for most standing pilot furnaces.

Locke#

L0375	1830-210	Natural Gas Pilot Assembly
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White v Rodgers PILOT RELIGHT CONTROL: TYPE 5059



*A.G.A. design certified & C.G.A. certified.

Input Voltage: 24v AC

Electrical Rating: 0.03 amps

Locke#

L0774	5059-23	Spark plug or 1/4 spade connectors
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Honeywell UNIVERSAL REPLACEMENT INTERMITTENT PILOT MODULE



Continuous Re-try 100% Shutoff I P 90 sec. Trial for ignition 24V, 60Hz, PV-1A MAX., MV=2A MAX.

Locke# Vendor#

L4544	S8610U1003	Pilot Module
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PILOT CONTROL MODuLES, gENERATORS & gAS VALVES

White ▾

Rodgers

PG9 PILOT GENERATOR



Output Voltage: 750 millivolt cartridge.

Leads: 2 wire, 32" standard.

Base Fitting: A 1/4" OD tube straight (TL) base fitting is standard. Angle base fitting (TJ) is available for replacement of a former model having an angle fitting. Order separately Part No. 10194 HD (add orifice size).

Orifice: These models are standard with screw base orifice for Natural Gas installed. An orifice for LPG is furnished separately.

Locke#

L0561 PG9 Pilot Generator for Floor Furnace

White ▾

Rodgers

250/750 MILLIVOLT POWER GENERATOR



Provides power for 250/750 millivolt self-generation control systems.

Features:

- For replacement of similar screw-in type generators now in field or for use w/ type E31-12 pilot burner, except G01A-501 is used with ITT General PG9 pilot burner only.
- Has 36" armored cable leads w/ split-spade terminals.
- PG9 adapter included with each G01A-332. PG-9 adapter also offered individually.

Locke#

L0574 750 mV with 36" leads (armored cable) & PG9 adapter

White ▾

Rodgers

36C SERIES HSI PROVEN PILOT GAS VALVES

For use on spark or Hot Surface Ignition systems and Replaces Many O.E.M. Gas Valves



FEATURES

- May be mounted in any position except upside down.
- Inlet screen and pilot gas filter provide maximum protection against chips and dirt.
- Gas cock knob and regulator adjustment (on some models) are on top of valve for quick setup.
- Large, easy-grip pipe boss speeds installation.

SPECIFICATIONS:

Electrical Rating: 0.6 amps

Coil Voltage: 24VAC

Gas Type: Natural

Opening Characteristics: Fast Open

Regulator Adjustment Range: 2.5" - 5.0"

End to End Dimensions: 3 15/16"

Ambient Operating Range: -40 to +175°F

Maximum Pressure Rating: 1/2 psi (14.0" W.C.)

1" Pressure Drop capacity, 3/4" x 3/4": 280,000 Btu/Hr

1" Pressure Drop Capacity, 1/2" x 1/2": 230,000 Btu/Hr

Agency: A.G.A. and C.G.A design certified

Locke#

L2458 36C68-423 Universal Electronic Ignition Gas Valve

We APPREcIate YOU R BuSin eSS!

White ▾

Rodgers

GAS BURNER CONTROLS



Type "36c" universal replacement. Complete gas control with side taps.

Locke#	L0769	L0768
Model#	36C03-333	36C03-300
Coil Voltage	24VAC, 60 Hz	24VAC, 60 Hz
Inlet-Outlet Size	1/2" x 3/4"	1/2" x 3/4"
Capacity A.G.A. Standard Gas*	250,000	250,000
Gas Type	Natural	Natural
L.P. Conversion Kit	Yes	No
Reducer Bushing Kit	Yes	No
Side Taps	Yes	Yes

White ▾

Rodgers

SLOW OPENING COMBINATION GAS VALVE



This Complete Compact Gas Control Combines The Functions Of 3-position Gas Cock, Pressure Regulator, 100% Shut-off Automated Pilot And Main Operator. The Slow Opening Main Valve

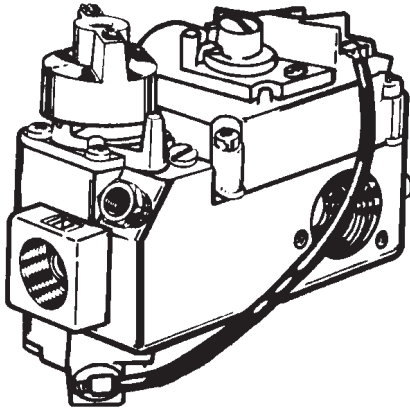
Provides A Softer Ignition.

- Valve can be mounted in any position, except upside down.
- Both main valve seat & line-interrupter seal w/line pressure.
- For LP, use conversion kits, F92-0737 or F92-0659 (order separately).
- Thermocouple connection and combination tab-screw terminals provided.
- E.C.O. terminal w/ jumper wire included.; A.G.A. design certified & C.G.A. certified.

Locke#	L0873
Model#	36C53-418
Coil Voltage	24VAC, 60 Hz
Inlet-outlet Size	3/4" x 3/4"
Capacity A.G.A. Standard Gas	280,000
Gas Type	Natural
Reducer Bushing Kit	Yes

HVAC

invensys™ SLIM LINE DESIGN 24V & MILLIVOLT NATURAL GAS VALVES



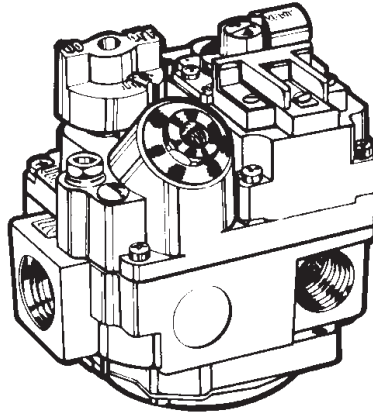
- Automatic pilot safety valve and Manual valve (gas cock).
- Pilot outlet, pilot gas filter, pilot adjusting key.
- Control can be mounted in any position, except upside down.
- All models have 3 position outlets.

Specifications:

Temperature range (hydraulic models): 58° to 90° F
 Pilot outlet: ¼" tubing
 Inlet Size (FPT): 1/2"
 3-Position Outlet (FPT) with 1/2" Pipe Plugs
 Reducer Bushings Included (FPT) 1/2" x 3/8"
 Gas cock dial marketing: Off-Pilot-On
 Ambient temperature: -40° to 175° F
 Electrical Rating:
 24 volt model: 12 VDC -.18 amps, 24 VAC -.2 amps
 Millivolt model: 250 MV to 750 MV operating range
 Capacity: 70,000 maximum / 1000 BTU/cu. ft. 0.64 sp. gr. natural gas at 1" W.C. Pd.
 Pressure Regulator (optional by model): Factory set @ 5.5" W.C.

Locke#	Vendor#	Valve Type	Pressure Regulator Setting
L0390	710-402	24 Volt	3.5 W.C. Natural Gas
L0391	710-502	Millivolt	3.5 W.C. Natural Gas
L0389	710-501	Millivolt	LP Gas

invensys™ 700 MILLIVOLT GAS VALVE



Specifications:

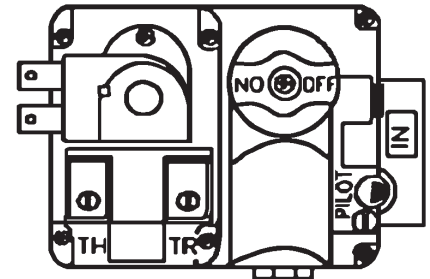
Electrical Rating: 240MV to 750MV operating range
 Pressure Regulator (optional by model): Factory set @ 3.5 W.C.
 Pilot outlet: ¼" tubing
 Gas cock dial marketing: Off-Pilot-On
 Terminal Type: Combination screw/spade
 Ambient temperature: -40° to 175° F
 Inlet Size (FPT): 1/2"
 Pressure Regulator Setting: 3.5 W.C.
 Nat. Gas
 Capacity: 100,000
 2 Reducer Bushings Included (FPT) ½"x¾"

Locke#	Vendor#	
L0578	700-502	700 MILLIVOLT GAS VALVE

**We
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Bu Sin eSS!**

invensys™ UNIVERSAL 2-STAGE GAS VALVE

*Intermittent Pilot, Direct Spark
and Hot Surface*



¾" x ¾". Includes (2) ¾" to ½" reducer bushings. Pressure regulator is factory-set 3.5" W.C. natural gas. Field adjustable 3" to 7" W.C.

** Has slow opening feature for soft ignition.

Can be field removed.

Lo-Fire	Hi-Fire	Capacity*
1.3" W.C.	3.5" W.C.	300,000

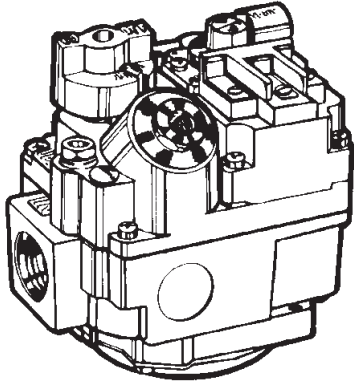
* 1000 BTU/Cu. Ft. .064sp. gr. natural gas or 2500 BTU/Cu. Ft. 1.53 sp. gr. L.P. gas @ 1" W.C. pd.

2 Reducer Bushings Included (NPT): ¾" x ½"
 Inlet Size (FPT): ¾"
 Outlet Size FPT: ¾"
 Type of Gas: Natural

Locke#	Vendor#	
L0349	700-053	Universal 2-Stage Gas Valve

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catalog PDFs and more.**

Invensys™
24 VOLT NATURAL GAS VALVE



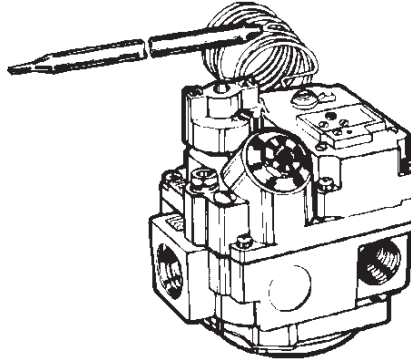
Specifications:
 Electrical Rating: 12 VDC -.18 amps, 24 VAC -.2 amps
 Pressure Regulator: Factory set @ 3.5" W.C.
 Pilot outlet: 1/4" tubing
 Gas cock dial marketing: Off-Pilot-On
 Terminal type: combination screw/spade
 Ambient temperature: -40° to 175° F

Locke#	L0575	L0569	L0743	L0590	
Inlet Size (FPT)	1/2"	1/2"	1/2"	1/2"	
3-Position Outlet	Straight thru (FPT)	3/4"	3/4"	1/2"	3/4"
	Side (FPT) with plugs	Straight thru	1/2"	1/2"	1/2"
Regulator Setting	Uni-Kit	Uni-Kit	set for Nat. Gas LO=2.0", HI=4.0"	3.5" W.C. Nat. Gas	
Capacity	240,000	240,000	100,000	240,000	
Reducer Bushings Included (NPT)	3/4"x1/2"	1	1	1	
	1/2"x3/8"		2		

Locke#

L0575	700-400	24 Volt NG Valve
L0569	700-402	24 Volt NG Valve
L0743	700-434	24 Volt NG Valve
L0590	700-422	24 Volt NG Valve 24 Volt diaphragm/solenoid model - has no safety magnet

Invensys™
BUILT-IN WALL FURNACE VALVE - SINGLE CAPILLARY

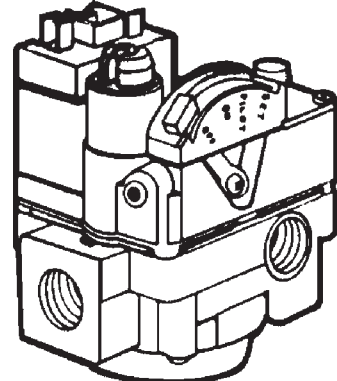


Temperature range:	
Standard Dial:	58° to 90° F
Remote Dial:	45° to 95° F
Single capillary Length	36"
Remote dial capillary	18" & 48"
Bulb O.D. & length:	1/4" x 8"
Pressure Regulator	Factory set @ 3.5 W.C.
Pilot outlet	1/4" tubing
Gas cock dial markings	Off-Pilot-On
Ambient temperature	-40° to 175° F
Inlet Size (FPT)	1/2"
3-Position Outlet (FPT)	1/2"
Capillary Length	36"
Internal Pressure Regulator Setting	3.511 W.C. Nat. Gas
Capacity	100,000
Reducer Bushings Included (NPT) 1/2" x 3/8"	2

Locke#

L0351	700-202	Built-In Wall Furnace Valve - Single Capillary
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Invensys™
720 SERIES 24 VOLT GAS VALVE



Introducing Robertshaw 720 Series dual valve gas controls. Used in 24 volt standing pilot applications, the 720 has a 150,000 BTU capacity at 3.5" WC, and a swing radius of 3-9/16".

Inlet Size (FPT)	1/2"	
Outlet Size (FPT)	3/4"	
Pressure Regulator Setting	Uni-Kit	
Capacity	150,000	
Reducer Bushings Included (NPT)	3/4"x1/2"	1
	1/2"x3/8"	1
	3/4"x3/8"	1

Locke#

L0597	720-400	720 Series 24 Volt Gas Valve
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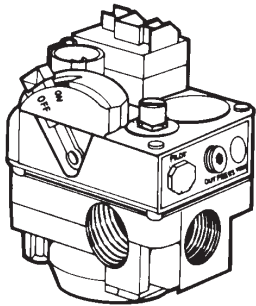
COMPARE OUR PRICES AND SAVE!

HVAC

gAS VALVES



24 VOLT HOT SURFACE MODEL



720-052

Specifications:

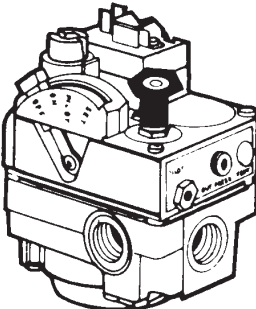
Electrical Rating: 24 VAC, 5 amps
 Pressure Regulator: Natural Gas: Factory set @ 3.5" W.C.
 LP Gas: Factory set @ 11.0" W.C.
 Pilot outlet: 1/4" tubing
 Ambient temperature: -40° to 175° F
 Maximum inlet pressure: 7" W.C. - natural gas / 14" W.C. - LP Gas

24 VOLT HOT SURFACE IGNITION Reducer Bushings Included:

Locke#	Vendor#	Factory Model	Inlet Size	Outlet Size	Pressure Regulator Setting	Capacity	3/4" x 1/2"
L0396	720-051	7200-DER	1/2"	3/4"	UNI-KIT	150,000	1



24 VOLT STEP-OPENING/CONVERTIBLE** FOR MOBILE HOMES



720-007

Specifications:

Electrical Rating: 24 VAC, 5 amps
 Pressure Regulator: Factory set @3.5" W.C. (Natural Gas),@11.0" W.C.(LP Gas)
 Pilot outlet: 1/4" tubing
 Ambient temperature: -40° to 175° F
 Maximum inlet pressure: 7" W.C. - natural gas / 14" W.C. - LP Gas

** Convertible regulator for mobile home use. Select 3.5" W.C. natural gas or 11.0" W.C. L.P. Gas.

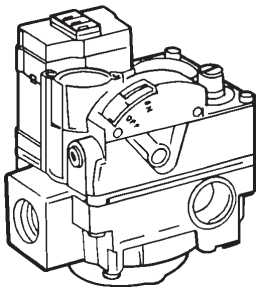
24 VOLT STEP-OPENING CONVERTIBLE

Locke#	Uni-Line Number	Factory Model	Inlet Size (FPT)	Outlet Size (FPT)	Capacity	Reducer Bushings Included (NPT) 3/4"x1/2" 1/2"x3/8" 3/4"x3/8" Replaces
L0392	720-007	7200ERC	1/2"	1/2"	150,000	120-402 AND 120-407
L0394	720-474	7200ERCS	1/2"	1/2"	150,000	120-473 AND 120-474

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720 SERIES PILOT IGNITION GAS VALVES



720-070

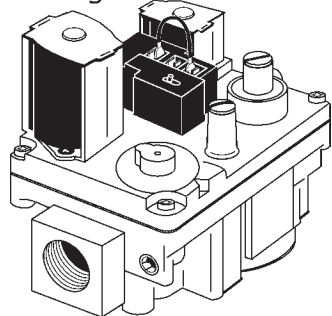
Specifications:

Electrical Rating: 24 VAC, 50/60 Hz .45 amps
 Power Consumption: 5 watts
 NEC: Class 2
 Terminal Connections: 1/4" quick-connect
 Pilot outlet: 1/4" tubing
 Ambient temperature: -40° to 175° F Max.
 Maximum inlet pressure: 14" W.C. (1/2 PSI)
 Pressure regulator setting: UNI-KIT

Locke#	Vendor#	Factory Model	Description
L0558	720-070	72001PERS7C	1/2" Inlet x 3/4" Outlet Size. Includes (1) 3/4" to 1/2" reducer bushing. Pressure regulator setting is UNI-KIT. 150,000 BTU



REDUNDANT OEM VALVE



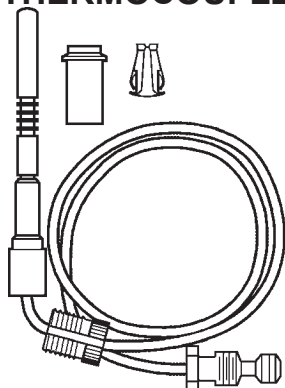
This gas valve is designed for direct spark ignition, hot surface ignition & proven pilot system applications. It is equipped with redundant (pilot) & main solenoid valves that control gas flow to the main burners &/ or pilot, a field-adjustable outlet pressure regulator, & a two-position on/off switch for electrical shut-off.

Specifications:

Natural Gas OR LP Gas; 24 VAC; 50/60 Hz
 Ambient temperature: -40° F to 175° F
 Pressure Rating: 14" W.C. (1/2 PSI) max.

Locke#	Model#	Pipe Sizes Available (inches)	Capacity at 1" Pressure Drop across valve	
			AGA Std. Nat. Gas (1,000 BTU/cu. ft.)	LP Gas (2,500 BTU/cu. ft.)
L0795	36E24-214	1/2" x 3/8" NPT straight through	100,000	162,000

Honeywell UNIVERSAL THERMOCOUPLE



For use on gas-fired heating systems as an alternative to the Q340. Average operating life of five to seven years.

Locke#	Description
L4570	Q390A1095 18" universal thermocouple with adapters
L4571	Q390A1046 24" universal thermocouple with adapters
L4572	Q390A1053 30" universal thermocouple with adapters
L4573	Q390A1061 36" universal thermocouple with adapters
L4574	Q390A1103 48" universal thermocouple with adapters

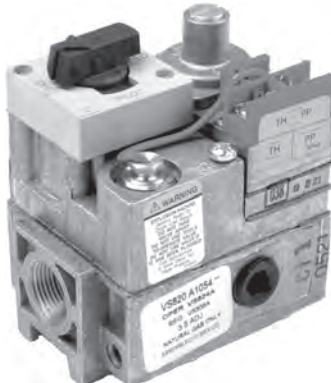
Honeywell GAS VALVE



Universal electronic ignition combination gas control for use with direct spark ignition, hot surface ignition or intermittent pilot ignition in 24 VAC, gas-fired appliances, with capacities from 30 to 415 CFH. $\frac{3}{4}$ " x $\frac{3}{4}$ " inlet/outlet, standard opening and 3.5 in. wc pressure regulator setting
Includes: Two $\frac{3}{4}$ " x $\frac{1}{2}$ " NPT reducer bushings and one $\frac{1}{2}$ " x $\frac{3}{8}$ " NPT bushing.

Locke#	Description
L4579	VR8345M4302 Supersedes VR8345M4302

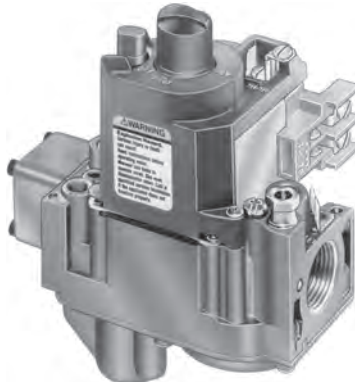
Honeywell MILLIVOLT GAS VALVES



These gas controls combine a Lite-Rite manual gas cock, safety shutoff Pilotstat assembly, millivoltage automatic valve operator, and optional gas pressure regulator. They require the use of a 750 mv Powerpile generator (thermopile). The generator, heated by the pilot burner flame, provides the electrical energy to operate the combination gas control. A millivoltage thermostat with suitable accessory controls completes the automatic control system for the heating appliance.
3/4 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with 3.5 in. wc adjustable pressure regulator setting

Locke#	Description
L4587	VS820A1088 Millivolt Gas Valve

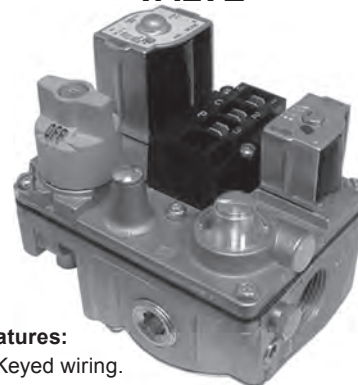
Honeywell CONTINUOUS PILOT DUAL AUTOMATIC GAS VALVE



Combination gas control for use in 24 VAC, gas-fired, standing pilot appliances with capacities from 30 to 300cfh. Compact size. Provide 2 automatic valves. $\frac{3}{4}$ " x $\frac{3}{4}$ " inlet \ outlet, standard opening and 3.5 in. wc pressure regulator setting
Includes: Two $\frac{3}{4}$ " x $\frac{1}{2}$ " reducer bushing; 393200 ECO adapter; Q340 (36 in.) thermocouple with adapters; 393691 Natural to LP gas conversion kit.

Locke#	Description
L4578	VR8300A4516 Supersedes VR8300A3500

White Rodgers 36E REDUNDANT GAS VALVE



Features:

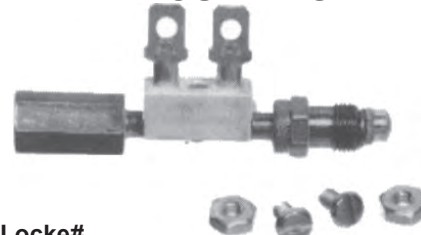
- Keyed wiring.
- Tamper-resistant screws.
- A.G.A. & C.G.A. design certified.
- May be mounted horizontal, vertical & 90° from horizontal.
- Poppet style manual valve (capable of withstanding high inlet pressures).
- Conical inlet/outlet screens protected from pipe damage.
- Direct acting solenoid valve with high sealing force.
- Controlled gasket clinch between castings to withstand high inlet pressures.
- All valves have pilot filter, adjustable pilot pressure and manual shut-off valve.

Specifications:

Electrical Rating: 0.54 amps.
Regulator Adjustment Range:
Nat. gas, 2.5 - 5.0" W.C. / LP gas, 7.0 to 12.0" W.C.
Maximum Pressure Rating:
 $\frac{1}{2}$ PSI (14.0" W.C.)
Swing Radius: 3-9/16"
Ambient Operating Range:
-40 - 175°F (-40 to +79°C)

Locke#	Description
L0678	36E36-304 Natural Gas Valve, 24v AC, 60 Hz
L0679	36E93-304 Natural Gas Valve, 24v AC, 60 Hz

White Rodgers T-COUPLERS



Locke#	Description
L2401	H06F-24 Junction Block T-Coupler
L2402	H06F-36 Junction Block T-Coupler

HVAC

Honeywell



STANDING PILOT APPLICATIONS

Combination gas controls for use in 24 VAC, gas-fired, standing pilot appliances with capacities from 20 to 200 CFH.

Locke#	Vendor#	Inlet/Outlet Size	A.G.A. Certified Capacity *		Pressure Regulator Setting		Type of Gas
			cfh	m3/hr	In. wc	kPa	
L4526	VR8200A2744 Supersedes VR8200A2132	½ x ½	130	3.7	3.5	0.87	Natural

Locke Code 4526 includes: 1/2 in. x 3/8 in. reducer bushing; 39369014 bag assembly-3/4 in. straight flange with O ring, screws and wrench; and 393691 Natural to LP gas conversion kit; also includes 3/4 in. angle flange

Honeywell



DIRECT SPARK APPLICATIONS

These universal electronic ignition gas controls are used in gas-fired appliances with capacities up to 150 cu ft/hour at 1 inch wc pressure drop (4.2 cu m/hour at 0.25 kPa) for natural gas. The VR8245M will operate with a direct spark (DSI), hot surface (HSI) or intermittent pilot ignition. The control includes a manual valve, two automatic operators, a pressure regulator, pilot adjustment, pilot plug and ignition adapter.

Locke#	Vendor#	Inlet/Outlet Size	A.G.A. Certified Capacity @		Pressure Regulator Setting		Type Of Gas	Type of Pressure Regulator
			cfh	m3/hr	In. wc	kPa		
L4529	VR8245M2530 Supercedes VR8205A2024	½x½	150	4.3	3.5	0.87	Natural	Standard

* Capacities based on 1,000 Btu/ft 3, 0.64 sp gr natural gas at 1 in. wc pressure drop (37.3 MJ/m 3, 0.64 sp gr natural gas at 0.25 kPa pressure drop).

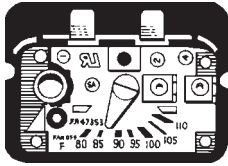
** Use of ½" x ⅜" in. reducer bushing reduces capacity to 130 cfh (3.7 m 3/hr.).

HVAC

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CAM-STAT

TIME START FAN CONTROL



FA47TS Series (Replaces All F47TS Series Controls) These are special fan controls with a built-in "heat-assist" timer. The time delay turns on the blower as a function of time & or temperature after the room thermostat calls for heat & turns off the blower as a function of temperature at the indicated dial setting of the fan.

Specifications:

Electrical Rating:

Timer ("Heat Assist"): 0.08 amps at 24v

Pilot Duty: 40 VA at 30 & 120v SPDT

Switches:

Full Load Amps: 13.8 at 120v, 8.0 at 240v

Locked Rotor Amps: 82.8 at 120v, 48.0 at 240v

Time Delay at 24v: 25-60 sec.

Extension Length: 3"

Temp Off: 80-110°F

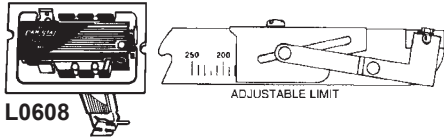
Fixed Fan Diff.: 60°F

Locke#

L0607	FA47TS3-110	Time Start Fan Control
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CAM-STAT

LIMIT CONTROLS L59 Series



These limit controls have SPDT switches and incorporate a temperature adjustment to enable the installer to match the setting of the old device being replaced.

Specifications:

Electrical Rating: N.C. Contacts:

Full Load Amps: 5.8 at 120v, 2.9 at 240v

Locked Rotor Amps: 34.8 at 120v, 17.4 at 240v

Pilot Duty: N.C. Contacts: 40 VA at 30, 120 & 240v

N.O. Contacts: 120v at 30, 120 & 240v

Temp. Adjustment: 120-250

Fixed Diff: 30°F

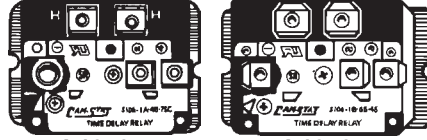
Locke#

Extension

L0608	L593BA	3"
L0609	L597BA	7"

CAM-STAT

TIME DELAY RELAY S106 Series



L1050

L1053

Ambient Compensated: 0° TO 200° F

This Time Delay Relay is for controlling high current blowers, relays and contacts at a predetermined time interval after the heater is energized. The heater timer is connected to a 24 volt circuit and this circuit may be energized by a manual switch, automatic switch or room thermostat

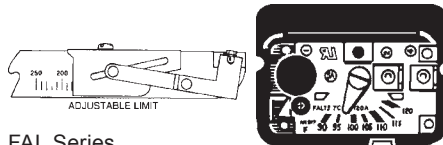
Between Terminals	Volts AC	Full Load Amps	Locked Rotor Amps
2 & 4 N.O.	120 240	13.8 8.0	82.8 48.0
1 & 4 N.C.	120 240	5.8 2.9	34.8 17.4

Locke#	Model#	Switch Action	Delay on Make	Delay on Break
L1050	S1061A4575C	SPST	30 - 50	60 - 90
L1051	S1061A5040C	SPST	45 - 55	30 - 50
L1052	S1061A5560C	SPST	50 - 60	45 - 75
L0611	S1061A40100C	SPST	35 - 45	80-110
L1053	S1061B6545C	SPDT	60 - 70	45 - 75

Delay on break timing is recorded after two minutes of continued 24 volt input.

CAM-STAT

COMBINATION FAN & LIMIT CONTROL



FAL Series

For all types of forced air heating furnaces. The fan portion incorporates an adjustable fan "OFF" setting and an adjustable differential to enable the installer to match the settings of the old device being replaced.

Pilot Duty: 40 VA at 30 & 120v

SPST Switches: Full Load Amps: 13.8 at 120v, 8.0 at 240v, 4.4 at 120v

Locked Rotor Amps: 82.8 at 120v, 48.0 at 240v, 26.4 at 120v

Limit differential: 30° F.

Fan Off Temp.: 90 to 120

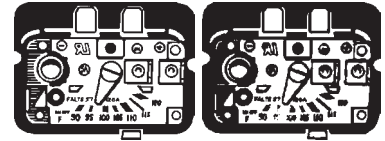
Fan On Diff.: 25 to 50

Limit Temp.: 150 to 250

Locke#	Model#	Exten. Length
L1054	FAL3C05TD120-A	3"
L0605	FAL7C05TD120-A	7"

CAM-STAT

COMBINATION FAN & LIMIT CONTROLS WITH TIME START DELAY-FALTS



L0373

L0606

Include a time start fan control ("heat assist"). The time delay turns on the blower as a function of time and/or temperature after the room Thermostat calls for heat and turns off the blower as a function of temperature at this indicated dial setting of the fan. The limit portion will limit the temperature of the furnace to a safe operating temp. A limit temperature adjustment is provided to match the setting of the old device being replaced. Timer ("Heat Assist"): 0.08 amps at 24 VAC Pilot Duty: 40 VA at 30 & 120 VAC SPDT Switches:

Full Load Amps: 13.8 at 120 VAC, 8.0 at 240 VAC, 4.4 at 120 VAC

Locked Rotor Amps: 82.8 at 120 VAC, 48.0 at 240 VAC, 26.4 at 120 VAC

Fan Off Temp.: 90 to 120

Limit Temp.: 150 to 250

Locke#	Model#	Extension Length
L0373	FALTS57C05T120A	7"
L0606	FALTS57C65T120A	7" with shield

NOTE: Limit differential 30° F.

CAM-STAT

FAN CONTROLS F47 & F214 Series



F47-

F214-

These fan controls incorporate an adjustable temperature dial to enable the installer to match the setting device being replaced.

Pilot Duty: 40 VA at 30, 120 & 240 VAC

SPDT Switches:

Full Load Amps: 13.8 at 120 VAC, 8.0 at 240 VAC

Locked Rotor Amps: 82.8 at 120 VAC, 48.0 at 240 VAC

Fan on Differential: 25-45

Locke#	Model#	Length	Width	Fan Off Temp.
L1056	F473TD12025C	3"	7/16"	90-120
L1057	F477TD12025C	7"	7/16"	90-120
L1058	F21412A14025C	3"	1 1/16"	60-140
L1059	F21413A14025C	7"	1 1/16"	60-140

TIMED CONTROLS AND SEQUENCERS

invensys™ 8140 SERIES 40 AMP, TIME INITIATED, TEMP OR PRESSURE TERMINATED



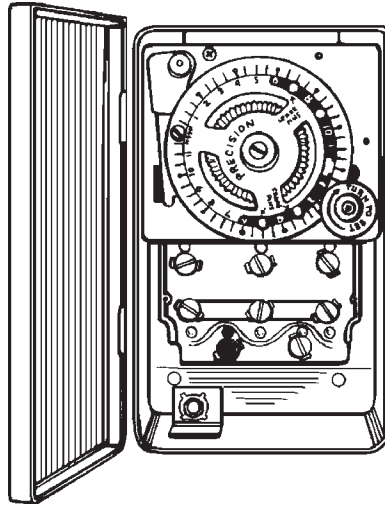
- Frequency of defrost is one to six cycles per day. A minimum of four hours between successive defrost cycles.
- Adjustable back-up defrost termination from four-110 minutes in two minute increments.
- Control works with an external temperature or pressure sensor.
- Switch ratings per pole: 40 amp, 2 hp, 690 VA pilot duty, 120-240 volts AC. "
- Heavy steel enclosure. Gray finish. Knockouts at bottom, back and sides. Hasp and staple for padlock. Available on bracket for sub-panel mounting.
- Operating voltage: 120 or 208-240 volt, 60 Hz (50 Hz -see chart below).
- Heavy duty, synchronous industrial type motor.
- First transfer after refrigeration cycle: (A633-20) 2-4 remains closed (compressor). 1-3 opens (fan).
- Second transfer: (3-6 minutes after the first) 2-4 opens (compressor). 1-3 remains open (fan).

NORMAL POSITION OF CONTACTS DURING REFRIGERATION CYCLE

CONTACT 1-3	CONTACT 2-4
Open	Closed
Open	Closed

Locke#	UNI-LINE	50 HZ	VOLTS/ 60 HZ
L0748	8145-00	•	120
L0749	8145-20	•	208/240

invensys™ COMMERCIAL DEFROST CONTROLS 8040 SERIES TIME INITIATED, TIME TERMINATED



Used in conjunction with a temperature or pressure control on hot gas or compressor systems and electric heat applications. Up to 6 defrost cycles per day with defrost times from 4 to 110 minutes in 2 minute increments. Gray NEMA type 1 indoor enclosure. Includes 4 dial pins. 60 Hz. 40 Amps. 2 HP. 690 VA. 120 or 208-240 Volts. SPOT Contacts.

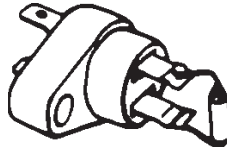
Locke#

L0737	8045-00	120v
L0738	8045-20	208-240v



THERMAL CUTOUTS

L1100 & L1101



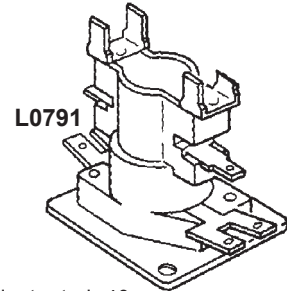
L1106 & L1107

Locke#	Vendor#	Descrip.	Packaged
L1100	STC-4300	300°F	5
L1101	STC-4333	333°F	5
L1106	STC-5300	306°F	2
L1107	STC-5333	336°F	2

White Rodgers

ELECTRIC HEAT SEQUENCER

Replaces most fan/heat sequencing functions.



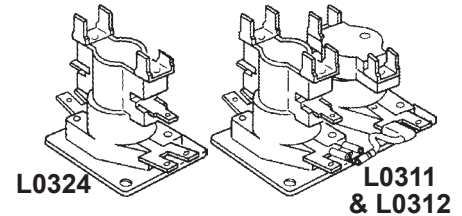
- Ambient rated -40.
- Multi-poise mounting.
- Double quick-connected terminals for combination loads.
- Terminal markings equivalent to competition & allow 1 wiring method for various sources of sequencers.
- 4 Timings
- 5 Switches

Locke#

L0791 24A3414 Electric Heat Sequencer



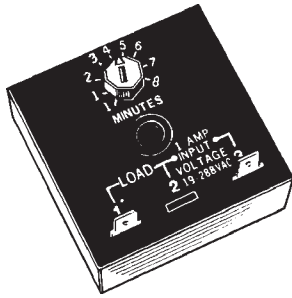
ELECTRIC HEAT SEQUENCERS



Locke#	Model#	Number of Circuits	T.O.D. Number	Seconds
L0324	TDR20	1 Main & 1 AUX	15SH2	ON 1-20 OFF 40-110
L0311	TDR30	3 Mains	15SH21	ON 1-110 OFF 1-110
L0312	GS106	4 Mains	15SH22	ON 1-110 OFF 1-110



IC 310 DELAY ON MAKE



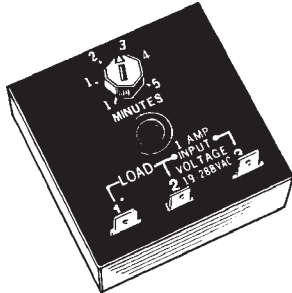
Time adjustable: 1 to 8 minutes. Lock out delay begins with application of power.

Locke#

L4422 Delay on Make



IC 320 DELAY ON BREAK



Time adjustable: 1 to 5 minutes. Designed for continuous 1 AMP load on application from 19 through 288 volts AC or DC. Lock out delay starts with opening thermostat.

Locke#

L4423 Delay on Break



DH SERIES DUCT HEATER COIL KITS



Each kit contains close wound coil (not stretched), 2 male and 2 female bushings, terminal screws, nuts, and washers

Locke#

L5019 Duct Heater Coil Kits



LIMIT SWITCHES

Limit Klixon. Electric normal closed contacts.



Locke#

L0340 L130-2 Klixon Switch

L0638 L140-4 Klixon Switch

L0342 L150-4 Klixon Switch

L0639 L160-4 Klixon Switch

L0640 L170-4 Klixon Switch

L0641 L180-4 Klixon Switch

L0343 L190-3 Klixon Switch

L0642 L200-4 Klixon Switch

L0339 L210-3 Klixon Switch

L0643 L220-4 Klixon Switch

L0338 L230-3 Klixon Switch



FAN KLIXON

Normal Open Contacts



Locke#

L0635 F110-2 Switch Fan Klixon

L0636 F120-2 Switch Fan Klixon

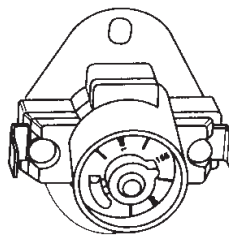
L0637 F130-2 Switch Fan Klixon

L0341 F140-5 Switch Fan Klixon



MANUAL RESET LIMIT

Open on temperature rise.



Locke#	Vendor#	Klixon Temp. Code	Temp. Oven °F
L0853	39037	MR140	140
L0854	39038	MR150	150
L0858	39039	MR160	160



ADJUSTABLE FAN OR LIMIT THERMOSTATS



Features:

- Easy dial adjustment.
- 6 controls cover most requirements.
- Integral oval flange.
- .25 inch quick connect terminals.
- U.L. and C.S.A. listings available.

Close on rise Switching Action				
Locke#	Model#	Type	Range °F	Diff. °F
L1061	39205	Fan	90-130	20
L1062	39210	Fan	140-180	20
Open on rise Switching Action				
L1063	39220	Limit	135-175	40
L1064	39225	Limit	175-215	40
L1065	39230	Limit	210-250	40
L1066	39235	Limit	250-290	40



REPLACEMENT COILS FOR ELECTRIC HEAT



Features: 5000 W. 240 Volts

- Close wound coil, stretch to fit many applications.
- Complete with bushings, insulators, and hardware.
- Welded terminal bolts for low resistance and long life.

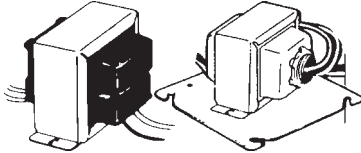
Locke#

L0628 Replacement Coils for Electric Heat



JARD MAGNETICS CLASS 2 TRANSFORMERS

8" Lead lengths. 24volts (50/60 Hz)



FOOT-MOUNTED MODEL UNIVERSAL MOUNTED MODEL

UNIVERSAL MOUNTED MODELS FOOT, 4X4 PLATE OR HUB MOUNT

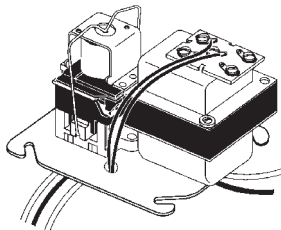
Locke#	Vendor#	Rating (VA)	Voltage (50/60 Hz)
L0306	4011M	40	120

FOOT-MOUNTED MODELS

Locke#	Vendor#	Rating (VA)	Voltage (50/60 Hz)
L0367	4011F	40	115
L0368	4021F	40	230
L0305	4031F	40	120/208/240
L0323	7541C	75	120/208/240/480

White
Rodgers

FAN CONTROL CENTER RELAY & TRANSFORMER

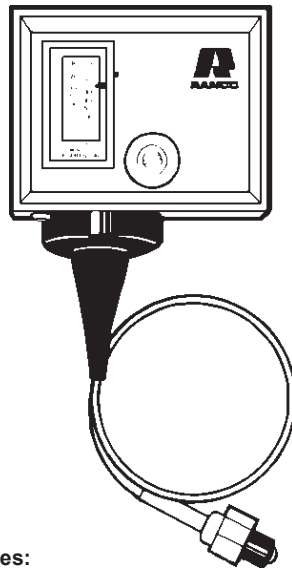


Locke#		L0649
Vendor#		90-113
Primary Transformer	Voltage	120
	Connections	Color Coded
Secondary Transformer	Voltage/VA	24 Volt/40VA
	Connections	Screw terminals
Relay Pole Form		SPOT
Contact Rating	Inductive @ 125/250 V AC	H.P.* 12 A. Full Load 60 A. Inrush
	Res.	15amp
Ship. Wt. Lbs.		2½



SINGLE FUNCTION PRESSURE CONTROLS

These controls offer a variety of pressure ranges and switch actions to provide maximum application flexibility.



Features:

- NEMA 1 enclosure with non-conductive cover
- Front located captive cover screw
- Large, easy-to-read scale plate
- SUPER CAP capillary protection system
- Universal mounting and compact design
- Screw terminals are raised and fully accessible for easy wiring
- Laser-welded bellows for extended life
- Heavy-duty plates steel frame
- Suitable for R12, R22, and R502 applications

Locke#	Pressure Range P.S.I.G.	Differential P.S.I.	36" Capillary with Flare Nut
L0551	(10") to 100	10 to 40	010-1483
L0552	100 to 400	40 to 150	016-108

We APPRECIATE you R BuSin eSS!



RESISTANCE HEAT LOCKOUT THERMOSTAT



This control provides accurate temperature adjustment to turn on heat in response to outdoor temperature.

Electrical Rating	24v	120v	240v	277v
Full Load Amps	-	20	20	16
Locked Rotor Amps	-	80	80	60
Pilot Duty (VA)	240	240	240	240
Male Flare	-	25	25	16
Temperature Range	-1 to 59°F			
Differential	5°F			
Sensing Element	30" Cap with 3/8"x6" bulb			
Switch	SPDT			

Locke#

L0634 C122001 Thermostat



TIME DELAYS



DELAY ON MAKE TIMER



- SPST, N.O.
- 18 - 240 VAC/VDC
- 1.5 amp, 15 amp inrush
- Adjustable delays: .03-10 min.

Features:

- Simple 2-wire hookup.
- Universal voltage operation.
- Higher 1.5 amp power rating.
- Knob-adjustable time delays.
- One model replaces many in field.
- Ideal for compressor staging.
- Compact 2" x 2" package.
- Work with anticipator-type thermostats.

Cross-Reference:

- **Diversified:** AC-800; fixed volt: ASC-600/601
- **Watsco:** EAC-701 Adj.; EAC-701 adj.X; EAC-700-A
- **Gemline:** IC310/IC213
- **Mars:** 32391/32367
- **Robertshaw:** 3310-068
- **Supco:** TD-68 D-69

Locke#

L4750 ICM102B Delay on Make Timer



DELAY ON BREAK TIMER



- 18 - 30 VAC
- 1.5 amp
- SPST, N.O.
- 3 or 5 min. delays

Features:

- Simple 2-wire hookup.
- Compact 2" x 2" package.
- Higher 1.5 amp power rating.
- Model with 6" wire leads shown above.
- Compressor lockout/anti-short cycle timer.
- Protects compressors from damage caused by rapid short cycling.

Cross-Reference:

- **Diversified:** ASC-500; ASC-501; ASC-502; AC-505-5
- **Gemline:** IC321, IC322
- **Watsco:** EAC-500; EAC-501-180-W; EAC-501-300-W

Locke#

L4751 ICM200B 3 min. Delay on Break time delay

L4752 ICM201B 5 min. Delay on Break time delay



DELAY ON BREAK TIMER



Specifications:

- 18 - 240 VAC/VDC
- 1.5 amp (15 amp inrush)
- Adjustable delays: .03-10 min.
- SPST, N.O.

Features:

- Simple 2-wire hookup.
- Compact 2" x 2" package.
- Universal voltage operation.
- Higher 1.5 amp power rating.
- Compressor lockout/anti-short cycle timer.
- Protects compressors from damage caused by rapid short cycling.

Cross-Reference:

- **Diversified:** AC-503; ASC-501; ASC-502
- **Gemline:** IC320
- **Mars:** 32392
- **Robertshaw:** 3310-072
- **Supco:** TD-73
- **Watsco:** EAC-501-Adj.; EAC-501-Adj.-X

Locke#

L4753 ICM203B Delay on Break Time Delay



POST-PURGE FAN DELAY OFF DELAY ONLY



Specifications:

- Fixed or adjustable time delays: 12-390 sec.
- 18 - 30 VAC
- 1 amp (10 amp inrush)
- SPST, N.O.

Features:

- Post-Purge fan delay timer.
- Off delay purges ducts of residual air at the end of the heating/cooling cycle.
- Interrogation delay eliminates nuisance trips due to thermostat bounce/tampering.

Cross-Reference:

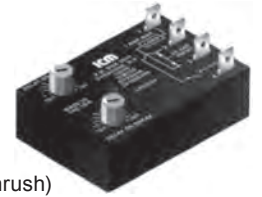
- **Mars:** 32393
- **Gemline:** IC216

Locke#

L4754 ICM253B Post-Purge Fan Delay, OFF Delay



PRE POST-PURGE FAN DELAY DUAL ON/OFF TIMING



Specifications:

- 18 - 30 VAC,
- SPST, N.O.
- 1 amp (10 amp inrush)
- Fixed or adjustable time delays:
ON: 1 - 180 sec./OFF: 12 - 390 sec.

Features:

- Dual function fan delay timer.
- OFF delay purges ducts of residual air.
- ON delay allows air to reach the proper comfort level prior to energizing the fan.
- Controls the circulating fan in heat pump, A/C and forced air systems.

Cross-Reference:

- **Honeywell:** S876A1016
- **Watsco:** PSTD-000-060W & PSTD-000-005W

Locke#

L4755 ICM254B Pre Post-Purge Fan Delay, ON/OFF



HEAD PRESSURE CONTROLS



Specifications:

- Input - Control: 18-30 VAC
- Output: Max.: 10 amps, Min.: 100 ma
- Range: 120-600 VAC

Features:

- One model covers 120-600 VAC.
- Controls head pressure by varying the amount of airflow through the condenser.
- Helps prevent evaporator freeze-ups, low pressure cutouts and liquid slugged compressors in low ambient conditions.
- Features: hard start, low temperature cutoff, high temperature bypass, isolated 24 VAC supply.
- All units ship with probe and installation kit.

Cross-Reference:

- **Hoffman:** 800/800A/800AA/814-50
- **Ranco:** E31 Series
- **Robertshaw:** 3310-068
- **Johnson Controls:** P66
- **ACT:** FM2000

Reduce inventory... stock one ICM model!

Locke#

L4757 ICM325HC Head Pressure Controls

HVAC

TIME DELAYS & DEFROST CONTROLS



3 PHASE MONITOR



Specifications:

- Control: 18-240 VAC
- Frequency: 50/60 Hz
- Output: relay SPDT
n.o.:20 amps; n.c.:10 amps
- Input: Voltage:190-600VAC
Voltage Unbalance: adj. 2-25%

Features:

- Monitors front and back sides of system.
- 190-600 VAC operation.
- Reset- auto or manual.
- Built-in short cycle protection.
- Monitors: voltage unbalance, high/low voltage, phase loss, reversal, incorrect sequencing, rapid short cycling.
- UL and CSA for building code compliance.

Cross-Reference:

- Diversified: AC-2020; AC-301; AC-302
- Motorsaver: 455
- SSAC: QLM/QLV
- TimeMark: 265
- Wagner: WPC-800
- Watsco: EAC-800; EAC-8000

Locke#

L4760 ICM400C 3-Phase Line Voltage Monitor



PLUG-IN 3-PHASE MONITOR

Specifications:

- Frequency: 50 or 60 Hz
- Output: relay SPDT,
8 amps resistive
- Input - Line: 400-480 VAC
Control: 18-240 VAC/VDC

Features:

- Voltage ranges: 200-480 VAC.
- Super-quick 100 ms response time.
- Monitors front side of system for voltage unbalance, high/low voltage phase loss, incorrect sequence, reversal
- 412: fixed 8% Voltage Unbalance.
- Basic low cost, 3-phase motor protection.
- Delay prevents nuisance trips.
- Patented: U.S. Patent No. 5,337,206.

Cross-Reference:

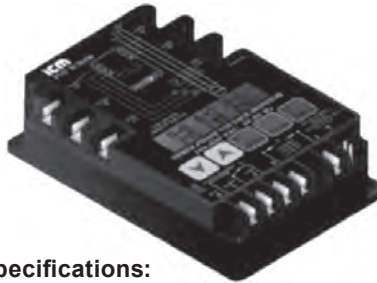
- Diversified: SLA Series; SVA Series

Locke#

L4758 ICM412 Adj. 400-480 VAC, plug-in 3 ph monitor



3 PHASE LINE VOLTAGE MONITOR



Specifications:

- Input:
Voltage: 190-600 VAC
Voltage Unbalance: adj. 2-25%
- Control: 18-240 VAC
- Frequency: 50/60 Hz
- Output: relay SPDT
n.o.: 20 amps; n.c.: 10 amps

Features:

- Programmable- 25-fault memory storage.
- Independent high/low voltage settings for dual voltage compressor applications.
- Monitors/identifies front and back sides of system.
- High temperature LCD to 167° F.
- 190-600 VAC operation.
- Simultaneous voltage display - no scrolling.
- Line voltage programmable.
- Reset- auto or manual.
- 7-step push-button setup.
- Monitors: voltage unbalance, high/low voltage, phase loss, reversal, incorrect sequencing, rapid short cycling.
- UL and CSA for building code compliance.

Cross-Reference:

- Diversified: AC-2020; AC-301; AC-302
- Motorsaver: 455
- SSAC: QLM/QLV
- TimeMark: 265
- Wagner: WPC-800
- Watsco: EAC-800; EAC-8000

Locke#

L4761 ICM450C 3-Phase Line Voltage Monitor

**We APPReCiAt e
yOu R Bu Sin eSS!**



DEFROST CONTROLS



Specifications:

- 18-30 VAC
- 50/60 Hz
- Relay output
- Interval times:
Pin-selectable, 30/60/90 mins.
- Form: SPST n.o.: 1 amps
- Defrost: 10 min. fixed

Features:

- 24 VAC operation (18-30 VAC)
- 10 min. defrost interval
- Pin-selectable interval times of 30/60/90 mins.
- Test pins reduce test time by 256x.
- HOLD input accumulates actual compressor run times regardless of disc thermostat condition prior to defrost.
- Sensor input for defrost terminate, only during the defrost cycle.

ICM model replaces:

- Lennox: 86G16
- Rheem: 47-21776-06
- ICM: DFOSP

Locke#

L4940 ICM301 Defrost Controls

DEFROST CONTROLS



Specifications:

- 18-30 VAC
- Defrost: 10 min. fixed
- Impedance relay: 2 amps
- Condenser relay output:
1 hp fan @ 240v
- Strip heat, reversing valve outputs: 24 VAC, 1 amp
- Interval times: Pin-selectable, 30/60/90 mins.

Features:

- Time and temperature defrost.
- Integral short cycle protection.
- 24 VAC operation (18-30 VAC)
- Lock-in defrost feature.
- Test pins reduce test time by 256x.
- High/low pressure switch monitoring.
- High power, condenser relay output (1hp fan @240 VAC).
- Strip heat, reversing valve outputs (24 VAC, 2 amp).

ICM model replaces:

- York: 9218-3741; 03101251000
- Evcon: 9218-374
- ICM: DFORF

Locke#

L4941 ICM303 Defrost Controls

DEFROST & FAN BLOWER CONTROLS



DEFROST CONTROLS

Specifications:

- Control Input
- 18-30 VAC
- Form: SPDT
n.c.: 10 amps
n.o.: 20 amps
- Defrost: 10 min. fixed
- Relay output Outdoor Fan:
- Interval times: Pin-selectable, 30/50/90 mins.

Features:

- Direct replacement for Carrier: CES01130063-00
- Low cost, time/temperature defrost.
- 24 VAC operation (18-30 VAC)
- Defrost terminate input.
- Pin-selectable interval times of 30/50/90 mins.
- Test pins reduce test time by 256x.
- Accumulates compressor run times when the disc is closed.
- Integral short cycle protection.
- High power output, outdoor fan (1/2 hp fan @ 240 VAC).
- Strip heat, reversing valve outputs (24 VAC, 1 amp).

ICM model replaces:

- Carrier: CES01130063-00

Locke#

L4944 ICM321 Defrost Controls



FAN BLOWER CONTROLS

Specifications:

- 18-30 VAC Output
- Contact ratings: Heat/cool speed up to 20 amps @ 240VAC
- n.c.:10 amps @240 VAC
- Blower off time: adjustable: 90, 120, 150, 180 seconds

Features:

- Dual function fan delay timer.
- Controls circulating heat pump fan, A/C & forced air systems.
- OFF delay purges ducts of residual air.
- ON delay allows air to reach the proper comfort level prior to energizing the fan.
- EAC & humidifier outputs.

ICM model replaces:

- Robertshaw: 695-003
- Evcon: 2702-300
- Rheem: 47-22827-01, 47-22827-81, 47-22827-82, 47-22828-01, 47-22828-02
- Honeywell: ST9120A1006, ST9120A12004

Locke#

L4946 ICM270 Replacement Fan Blower Controls



FAN BLOWER CONTROLS

Features:

- High power, relay output.
- Electronic air cleaner output.
- Dual function fan delay timer.
- Solid state microprocessor based furnace control board/fan blower control.
- Specifically designed to replace gas furnace centers.
- Controls circulating heat pump fan, A/C & forced air systems.
- OFF delay purges ducts of residual air.
- ON delay allows air to reach the proper comfort level prior to energizing the fan.

ICM model replaces:

- Robertshaw: 695-100
- Carrier: CES0110017, CES0110018
- Carrier/BDP: HH84AA010, HH84AA010, HH84AA011, HH84AA012, HH84AA013, HH84AA020, P771-7002, 302075-3

Locke#

L4947 ICM271 Replacement Fan Blower Controls



DEFROST CONTROLS

Specifications:

- 18-30 VAC
- Relay output
- Form: SPDT
n.c.: 10 amps
n.o.: 20 amps
- Defrost: 10 min. fixed
- Interval times: Pin-selectable, 30/50/90 min

Features:

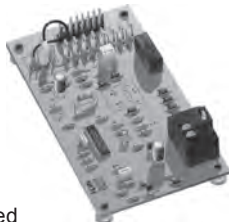
- Direct replacement for Carrier: CES130024-00
- Defrost terminate input.
- Test pins reduce test time by 256x.
- Accumulates compressor run times when the disc is closed.
- High power out put, outdoor fan (1/2hp fan @ 240 VAC).
- Strip heat, reversing valve outputs (24 VAC, 1 amp).

ICM model replaces:

- Carrier: CES0130024-00

Locke#

L4945 ICM322 Defrost Controls



FAN BLOWER CONTROLS

Specifications:

- 18-30 VAC
- Contact ratings: n.o.: 20 amps; n.c.:10 amps
- Factory fixed at 60 sec.

Features:

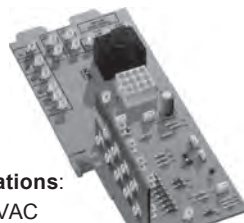
- High power, relay output.
- Electronic air cleaner output.
- Integral low voltage terminal board with field thermostat wiring.
- Cooling control module w/built-in fan delay.
- DC output f/fan relays & 1st stage of electric heater control.

ICM model replaces:

- Carrier: HK61GA003
- Texas Instruments: 2FD-1

Locke#

L4948 ICM272 Replacement Fan Blower Controls



FAN BLOWER CONTROLS

Features:

- Digital timing accuracy.
- Reliable solid state output.
- Switch-settable time delays.
- Reliable duty cycle timer ideally suited for defrost applications.
- Suitable for process equipment or applications requiring intermittent delays.
- Epoxy-encapsulated for greater reliability.
- ON-Time starts with power up, OFF-Time initiates after ON-Time, Timing cycle repeats until power loss.

ICM model replaces:

- Robertshaw: 695-101
- Carrier: CES110019, HH84AA001, HH84AA003, HH84AA005, HH84AA009, HH84AA014, HH84AA015, HH84AA021

Locke#

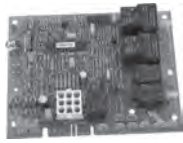
L4949 ICM275 Replacement Fan Blower Controls



HVAC



FURNACE CONTROL BOARD



- Low cost, direct replacement board for **Goodman/Janitrol**: B18099-06, B18099-08, B18099-10, B18099-13, B18099-135 **UTEC**: 1012-933D **Texas Instruments**: 41F-5 **White-Rodgers**: 50T35-730, 50T35-743
- Microprocessor design for precise timing
- Functions with all 24 VAC thermostats
- For 80+ and 90+ applications
- UL recognized

Locke#

L4980 ICM280 Furnace Control



FURNACE CONTROL BOARD



- Low cost, direct replacement board for Carrier CES011005700/01/02
- Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner
- Microprocessor-based for precise timing
- Functions with all 24 VAC thermostats
- 100% gas shutoff in case of ignition failure
- Twinning compatible with another ICM281

Locke#

L4951 ICM281 Furnace Control



FURNACE CONTROL BOARD



- Low cost, direct replacement for Carrier HK42FZ004/007/008/009/011/013/016
- Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner
- Microprocessor-based
- 100% gas shutoff in case of ignition failure
- Twinning compatible with another ICM282
- Diagnostic fault codes (blinking LED) to aid in troubleshooting

Locke#

L4981 ICM282 Furnace Control

Honeywell

HSI UNIVERSAL INTEGRATED FURNACE CONTROL



Featuring universal compatibility and simplified installation by way of a complete set of wiring harnesses, having exactly what you need is always a breeze with the UIFC. One Control Handles It All Put and end to excessive inventory and searching for the right model on your truck – the keyed wire harnesses allow it to replace nearly all furnace controls and be applied to most heating and cooling single-stage appliances.

Built-In EnviraCOM™ Communications The S9200U1000 is enabled with built-in EnviraCOM™ communication so you can set up local or remote monitoring and diagnostic systems – perfect for selling service contracts.

Simplified Installation

While models from other brands have unique wiring terminals requiring a like for like replacement, the Honeywell Universal Integrated Furnace Control features universal wiring harnesses that give you the flexibility you need while in the field and on the job. Wiring harnesses are included for simple replacement and installation, and LED indicators provide system status, performance and diagnostic information.

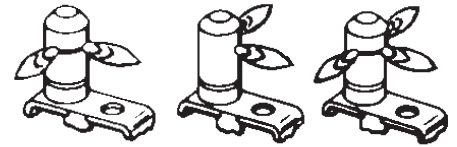
Locke#

L3689 S9200U1000 HSI Universal Integrated Furnace Control

Check out our website lockesupply.com For directions to our stores, credit services, catalog PDFs and more.



"J" SERIES BASO PILOT BURNERS



No. 5

No. 7

No. 8

Locke#

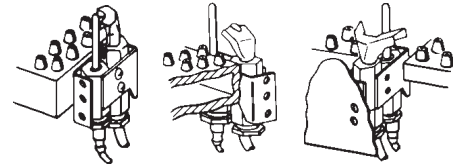
Tip Position

L4476	J995MDA-2	5
L4477	J997MDA-2	7
L4478	J998MDA-2	8



"J" SERIES MULTI-MOUNT UNIVERSAL PILOT BURNER

LINT FREE - NON-AERATED



L4567

L4568

L4569

Basco universal replacement pilot burners are supplied in 3 models. Mounting brackets on all 4 sides of each burner permit adaptation to most any application. Burners are skin packed on an attractive card with 1 burner and the necessary fittings on each card. Advantages include: mounting bracket on all 4 sides, 3 tapped holes in each bracket end for vertical adjustment, a natural & LPG orifice supplied, nuts & bolts furnished in each package.

Locke#

Type of Pilot

L4567	J999MHA-2	"L" Channel
L4568	J999MKA-2	Shell
L4569	J999MYA-2	"Y" Channel



SWITCHES, THERMOCOUPLES & PRESSURE CONTROLS

JOHNSON
CONTROLS

K16 "HUSKY"™ HIGH PERFORMANCE THERMOCOUPLE



This heavy-duty, high performance thermocouple provides high output for residential, commercial, and industrial applications. The "Husky" is a replacement for Basco 17D, 50, 58D, 87D, 88D, 97D, 107D and K15DA Thermocouples. Packed with adapters to effect the necessary replacement.

Millivoltage Range: 25 - 35 mV

Locke#	Length	in Carton	
L4482	K16BT-18	18"	10
L4483	K16BT-24	24"	10
L4484	K16BT-30	30"	10
L4485	K16BT-36	36"	10

JOHNSON
CONTROLS

P72 SERIES TWO POLE LOW PRESSURE "ALL RANGE" FOR R-12, R-22, R-500, R502



Locke#	L4468
Model#.	P72AA1
Switch Action	DPST Close High Open Low
Range PSIG (kPa)	20 in. to 100 (68to 690)
Differential (PSI)	Min. 6 (41) Max. 50 (345)
Pressure Connector	36" Cap. with 1/4" Flare Nut
Knob Adjustment	None
Max. Bellows Pressure PSIG (kPa)	325 (2241)
Ship.Wt.Lb.	2.7

JOHNSON
CONTROLS

P72 SERIES TWO POLE HIGH PRESSURE HEAD PRESSURE FAN CYCLING



Locke#	L4469
Model#	P72AA-27
Switch Action	DPST Close High Open Low
Range PSIG (kPa)	100 to 400 (690 to 2758)
Differential (PSI)	Min. 35 (241) Max. 200 (1379)
Pressure Connector	36" Cap. with 1/4" Flare Nut
Max. Bellows Pressure PSIG (kPa)	500 (3447)
Ship. Wt. Lb.	2.7

JOHNSON
CONTROLS

LUBE OIL PRESSURE CUTOUT CONTROL WITH TIME DELAY



These controls are supplied less mounting brackets. If brackets are required, order kit number BKT38A-600R which contains five 271-51 angle mounting brackets with screws.

Shipping Weight: 3.0 Lbs.

TO ORDER: Specify Kit Number only.

Locke#	L4472
Model#	P45NCA12
Time Delay	120 sec.
Heater Circuit VAC	120/240
Type of Reset	Manual
Factory Setting PSIG (kPa)	9 (62)
Refrigerant	Non-Corrosive
Pressure Connector	36" Cap. w/ 1/4" Flare Nut

JOHNSON
CONTROLS

TWO POLE DUAL PRESSURE



(Shown less cover)

Locke#	L4467
Model#	P72LA1
Switch Action	DPST
Range	20 in. to 100 (-68 to 690)
Differential	Min. 6 (41) Max. 50 (345)
Range	100 to 425 (690 to 2930)
Differential	Under 300 PSIG, 55 PSI: Over 300 PSIG, 65 PSI
Pressure Connector	36" Cap. with 1/4" Flare Nut
Knob Adjustment	None
Max. Bellows Press. PSIG (kPa)	325 Low 475 High (2241 Low) (3275 High)
Ship. Wt. Lb.	3.2

We Appreciate
 YOUR BUSINESS!

HVAC

PRESSURE CONTROLS

JOHNSON
CONTROLS

HEAD PRESSURE FAN CYCLING CONTROL SINGLE POLE HIGH PRESSURE HEAD PRESSURE FAN CYCLING

Locke#	Model#	Switch Action	Range PSIG (kPa)	Differential (PSI)	Pressure Connector	Limited Knob Adjustment	Max. Bellows Pressure PSIG (kPa)	Ship. Wt. Lb.
L4451	P70AA118	Close High Open Low	100 to 400 (690 to 2758)	Min. 35 (241) Max. 200 (1379)	36" Cap. with 1/4" Flare Nut	None	500 (3447)	2.3



JOHNSON
CONTROLS

P70 SERIES SINGLE POLE LOW PRESSURE

MICRO-SET FOR R-12, R-22, R-500, R502

Locke#	Model#	Switch Action	Range PSIG (kPa)	Differential (PSI)	Pressure Connector	Limited Knob Adjustment	Max. Bellows Pressure PSIG (kPa)	Ship. Wt. Lb.
L4453	P70AB12	Close High Open Low	12" to 80 (-40 to 345)	Min. 5 (34) Max. 35 (241)	36" Cap. w / 1/4" Flare Nut	Cutoff	500 (3447)	2.4



"ALL RANGE" FOR R-12, R-22, R-500, R502

L4454	P70AB1				1/4" Male Flared Conn.	Cutoff		2.3
L4455	P70AB2	Close High Open Low	20" to 100 (-68 to 690)	Min. 6 (41) Max. 50 (345)	36" Cap. w / 1/4" Flare Nut	Cutoff	325 (2241)	2.4
L4456	P70CA1				36" Cap. w / 1/4" Flare Nut	None		2.3

HVAC

JOHNSON
CONTROLS

SINGLE POLE DUAL PRESSURE

These controls are supplied less mounting brackets. If brackets are required, order kit number BKT38A-600R which contains five 271-51 angle mounting brackets w/ screws.

Shipping Weight: 3.0 Lbs.

TO ORDER: Specify Kit Number only.



L4460



L4461

MICRO-SET FOR R-12, R-22, R-500, R502

Locke#	Model#	Switch Action	Range PSIG (kPa)	Differential (PSI)	Range	Differential	Pressure Connector	Limit Knob Adjustment	Max. Bellows Press. PSIG (kPa)	Ship. Wt. Lb.
L4460	P70LB6	SPST	12" to 80 (-40 to 345)	Min. 5 (34) Max. 35 (241)	100 to 425 (690 to 2930)	Under 300PSIG, 55 PSI; Over 300PSIG, 65 PSI	36" Cap. w / 1/4" Flare Nut	Cutout	500 Low 475 High (3447 Low) (3275 High)	3.1

"ALL RANGE" FOR R-12, R-22, R-500, R502

L4461	P70LB1	SPST	20" to 100 (-68 to 690)	Min. 6 (41) Max. 50 (345) Lockout Man. Reset	100 to 425 (690 to 2930)	Under 300 PSIG, 55 PSI; Over 300 PSIG, 65 PSI Lockout (Requires Manual Reset)	36" Cap. w / 1/4" Flare Nut	Cutout	325 Low 50 High (2241 Low) (3103 High)	3.1
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PRESSURE CONTROLS

JOHNSON
CONTROLS

A19 SERIES REMOTE BULB WIDE RANGE - ADJUSTABLE DIFFERENTIAL

Locke#	Model#	Switch Action	Range °F (°C)	Diff. °F (°C)	Bulb and Capillary	Bulb Well No. (not supplied)	Range Adjuster	Electric. Rating 120 VAG
L4497	A19ABC24	SPOT	-30 to +100 (-34 to 38)	3 to 12 (1.7 to 6.7)	5/8" x 4" 8ft. Cap.	WEL14A602R	Convertible	16 amp Table 5
L4498	A19ABC36	SPOT	-30 to +100 (-34 to 38)	3 to 12 (1.7 to 6.7)	5/8" x 4" 20ft. Cap.	WEL14A602R	Convertible	16 amp Table 5



JOHNSON
CONTROLS

A28 SERIES TEMPERATURE CONTROLS COILED BULB - FIXED DIFFERENTIAL

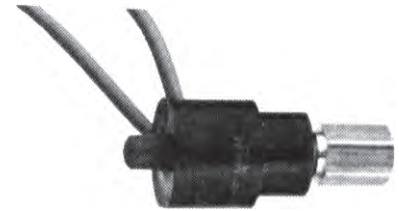
Locke#	Model#	Switch Action	Range °F (°C)	Diff. °F (°C)	Bulb and Capillary	Range Adjuster	Electric. Rating 120 VAG	Ship. Wt.
L4500	A28AA4	2-SPOT	30 to 110 (-1 to 43)	3-1/2 (1.9) ea. Stage 3 (1.7) fixed between stages	1 3/8" x 2 1/4" Coiled	Convertible	16 amp Table	1.0 Lb.



JOHNSON
CONTROLS

P100 SERIES ENCAPSULATED PRESSURE SWITCHES

Locke#	Model#	Switch Action	Application	Setting - Opens	PSIG (kPa) Closes
L4507	P100AP201C	Open on Fall	Low Cutout	10 (69)	40 (276)
L4508	P100AA-2	Open on Fall	Low Cutout	35 (241)	60 (414)
L4509	P100AA-3	Open on Fall	Fan Cycling	150 (1034)	225 (1551)
L4510	P100AA-4	Open on Fall	Fan Cycling	170 (1172)	250 (1724)
L4511	P100CA-1	Open on Rise	High Cutout	400 (2758)	300 (2068)
L4512	P100CA-2	Open on Rise	High Cutout	425 (2930)	325 (2241)
L4513	P100DA-1	Open on Rise	High Limit	410 (2827)	Lockout Manual Reset



ELECTRICAL RATINGS

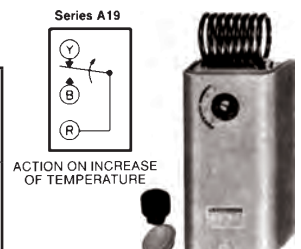
Motor Ratings VAC	120	240
AC Full Load amp	5.8	2.9
AC Locked Rotor amp	34.8	15.0
28 V AC/VDC 2 amp		
Pilot Duty-120/240/277 VAC 375 VA		

HVAC

JOHNSON
CONTROLS

COILED BULB THERMOSTAT

Locke#	Model#	Switch Action	Range °F (°C)	Diff. °F (°C)	Bulb and Capillary	Range Adjuster	Electrical Rating 120 VAC	Ship. Wt.
L4565	A19BBC-2	SPOT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	1 3/8" x 2 1/4" Coiled	Convertible	16 amp	1.0 Lb.

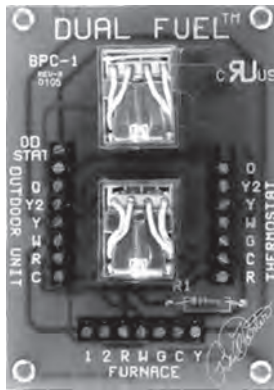


TIMER, CONTACTORS, RELAY & dE-ICE CONTROLS



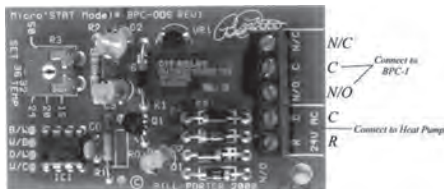
DUAL FUEL KIT

For All Heat Pump Applications
ALLOWS YOU TO RUN A
HEATPUMP WITH A GAS
FURNACE



L2019 Universal Control for all heat pump applications.

ADD ON TO THE DUAL FUEL TO DETECT WHEN THE OUTSIDE TEMP IS TO LOW FOR THE HEATPUMP TO BE EFFICIENT



L2020 Outdoor Thermostat designed specifically for the heat pump, but can be used on other applications.

Heating Mode:

1. First bulb = Heat Pump and when not satisfied
2. The second bulb activates the indoor furnace and the furnace will satisfy both bulbs. The outside unit is locked out during furnace operation. (100% safe) Indoor & outdoor unit cannot run at the same time.
3. Outdoor thermostat below set point turns off outdoor unit and indoor furnace becomes primary heat source.

Locke#

L2019	Universal Heat Pump/Furnace Control
L2020	Outdoor Thermostat

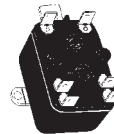
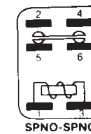
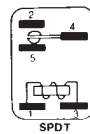
White

Rodgers

**CONTROL RELAYS
TOTALLY ENCLOSED
WITH QUICK CONNECTS
RBM TYPE 84**



Locke#	S.P.N.C.- S.P.N.C.	Coil Voltage (50/60 Hz)	Inductive
L0325	90-380 Fan Relay	24	12 amps Continuous 60 amps. Inrush @125v A.C.
L0326	90-370 Blower Relay		7 amps Continuous 42 amps. Inrush @277v A.C.



L0336

L0344

Locke#	Vendor#	Coil Voltage (50/60 Hz.)	Inductive	Resistive
L0336	90-2930	24	8 amps.	8 amps Contin.

Locke#	Vendor#	Coil Voltage (50/60 Hz.)	Res.	Nom. Current MA	Nom. VA Sealed	Inrush VA
L0344	90-382	120	1800	25	3	4

White

Rodgers

RBM TYPE 91



Locke#	Model#	Coil Voltage (50/60 Hz)	Terminals 1-2-3-4-5-6
L0337	90-340	24	Power
L0647	90-341	115/120	
L0648	90-342	208/240*	



Cutler-Hammer

Made in U.S.A.

**DEFINITE PURPOSE
CONTACTORS**



Locke#

L0399	4143	1 Pole	30 amp coil	24V
L0397	4104	2 Pole	25 amp coil	24V
L0710	4105	2 Pole	25 amp coil	110V
L0615	4107	2 Pole	30 amp coil	24V
L0711	4108	2 Pole	30 amp coil	110V
L5028	4109	2 Pole	30 amp coil	220V
L0372	4161	2 Pole	40 amp coil	24V
L0346	4162	2 Pole	40 amp coil	110V
L0712	4111	3 Pole	25 amp coil	110V
L0616	4113	3 Pole	30 amp coil	24V
L0713	4114	3 Pole	30 amp coil	110V
L0922	4116	3 Pole	40 amp coil	24V
L2078	4128	3 Pole	50 amp coil	24V
L0345	4117	3 Pole	40 amp coil	110V
L0617	4115	3 Pole	30 amp coil	220V
L0923	4118	3 Pole	40 amp coil	220V



**CONTACTORS AND
AUXILIARY CONTACT
KITS**



Locke#

L0425	4134	24v Coil Voltage, 75A Contactor
L0426	4135	120v Coil Voltage, 75A Contactor
L0427	4136	208/240v Coil Voltage, 75A Contactor
L0428	4158	1 NO - 1 NC Auxiliary Contact Kit

HVAC

SWITCHING RELAY, MOTOR RELAY & FAN DELAY

Robertshaw
UNI-LINE
NORTH AMERICA

ICE MACHINE CONTROL



Switch	Diff.	Off (°F)	On (°F)	Warm On	Cold Off	Capillary Length
SPST	5	34	39	44	25	7211

Locke#

L0364 A221112 Ice machine control

ATC INLINE FUSE HOLDER



- YELLOW #16 Wire 16 Amps
- For ATC blade-type fuses
- Rated 12 volts DC maximum
- 3-20 Amps
- "Write-in" space for circuit identification

Locke#

L3314 HHD Fuse holder

L3315 HHD-C Clear Cover For HHD Fuse holder

L4115 S45922-001 5 amp Fuses (12)



SOLID STATE MOTOR STARTING RELAY FOR REFRIGERATORS AND FREEZERS



MARS new 32330 is a solid state PTC motor starting relay that mounts directly to any 3 pin fuse connector. One model replaces thousands of current relays used on 1/12 HP to 3 HP compressors.

Features:

- Replaces Tecumseh Relays SSR2 and SSR3 push-on applications
- Non-positional
- One Model for 2 HP to 3 HP, 120 Volt
- U.L. and C.S.A. listings available

Locke#

L0714 32330 MARS solid state motor starting relay for refrigerators and freezers

Honeywell GENERAL PURPOSE SWITCHING RELAYS



DIMENSIONS: 1 $\frac{1}{8}$ " H, 2 $\frac{5}{32}$ " W, 2 $\frac{3}{8}$ " D.

Provide general purpose & heavy duty switching for refrigeration & air conditioning equipment, appliances, vending machines & similar applications.

APPROVAL BODIES: Component recognized by Underwriters Laboratories Inc.

AMBIENT TEMPERATURE RANGE: -20°F to +155°F

SWITCHING: Dpdt

COIL VOLTAGE: 24v

COOL RATINGS (50/60 Hz):

Rated Coil Voltage	Max. Pickup Voltage (a)	Max. Sealed VA at Rated Voltage	Max. Inrush VA at Rated Voltage
24	18	10	20
120	96		
208/240	176		
277	220		
480	384		

CONTACT RATINGS:

Power Poles (Amps per pole)

	R8222	120V	208/240/277v	480v
Full Load	12	6	3	3
Locked Rotor	60	35	18	18
Resistive	A & C models	20.8	20.8	10
	All others	15	15	10
Horsepower		$\frac{1}{2}$ hp	$\frac{1}{2}$ hp	$\frac{1}{2}$ hp

Pilot Duty Poles for R8222 only:

Minimum - 3 VA at 24, 120 and 480 Vac.

Max. - 25 VA at 24 Vac, 125 VA at 120, 240 & 480 Vac.

Resistive - 3 A at 277 Vac (0.75 power factor).

Millivoltage for R8222 only: normally open pilot duty contacts are rated for millivolt (Powerpile) applications - 0.25 at 0.25 to 12 Vdc.

R8222 SWITCHING CONFIGURATIONS:

Switching Configuration	Terminals	R8222 Model Suffix	
		Power Rated	Pilot Duty Rated
Spdt		B	—
Dpdt		D	N
Dpdt (one power and one pilot duty)			V ^a

(a) Voltages listed are for relay base mounted vertically.

If relay base is mounted horizontally w/ terminals pointing down, pickup voltage is increased by 12%.

Locke#	Vendor#	Pole 1-2-3	Pole 4-5-6
L4590	R8222N1011	Pilot Duty	Pilot Duty
L4593	R8222V1003	Power	Pilot Duty

White
Rodgers

POTENTIAL RELAYS

Quick reference relay selection chart for G.E. relays



1. Determine the General Electric model number of the Relay to be replaced - the "FORM" and "GROUP"

EXAMPLE:

One number plus
3ARR3* A 3B 3333
Basic Type - Form - Group - Non-Positional

*also refers to basic type 3ARR1

2. Locate in the following table the Relay GROUP and select the corresponding Replacement Relay from the kit.

64 replaces Relay GROUPS:

3A; 3B; 3AV; 3AU; 4A; 4B; 6A; 6B; 6AV; 10A; 10B; 10AU; 10AV

Locke#

L0731 90-64 Potential Relay



ADJUSTABLE POTENTIAL RELAY



One relay allows for the replacement of thousands of potential relays with pick-up voltages from 130 to 370.

Features:

- Recycles instantly! The latest in "state of the art" relays
- APR5 replaces both 5-terminal & 3-terminal potential relays
- The electronic circuitry also provides additional motor protection.

Locke#

L1111 APR5 Adjustable Potential Relay, up to 5HP, 110 to 270V

STARTERS, POTENTIAL RELAYS & CAPACITORS

HARD STARTS/RELAYS START PACK



Combination relay, capacitor & overload to replace all 3 electrical components & rejuvenate older refrigerators & freezers. Total solid state design for maximum reliability & pre-wired with extra long compressor leads for maximum mounting flexibility. Mounts easily with either screw or clip. Models adapt to 115V compressors having external overload protector. Instructions on label make installation a snap.

Locke#	Vendor#	For Compressor Sizes	ROBERT-SHAW
L0746	RCO410	1/4 and 1/3 HP	600-410
L0747	RCO810	1/12 thru 1/5 HP	600-810



HARD START DEVICE



Designed to provide maximum starting torque for single phase PSC and CSIR compressors up through 10HP. The MARS AllStart recycles instantly for maximum convenience on troublesome hard start jobs.

Locke#

L0371 32708 AllStart Device

START CAPACITORS

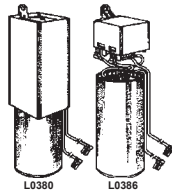


OVAL

Locke#

L0625	145-174	MFD	110/125V
L0626	161-193	MFD	110/125V
L0622	72-86	MFD	220/250V
L0624	88-106	MFD	220/250V
L0621	108-130	MFD	220/250V
L0623	145-174	MFD	220/250V
L0627	189-227	MFD	220/250V
L0619	88-106	MFD	330V
L0911	124-149	MFD	330V
L0900	130-156	MFD	330V
L0620	189-227	MFD	330V

Kickstart® HARD START DEVICES



Features:

- Approved by major manufacturers
- Patented and U.L. Recognized in the U.S. and Canada.
- 2 wire hard start device using potential relay with start capacitor.
- No PTCR devices, or time delays.
- Works on all 208-265 V PSC and CSIR air conditioning, heat pump and refrigeration compressors; 1-5 HP -Reciprocating, Scroll and Rotary.
- Restarts Instantly™, pre-Assembled.
- Easy to install, eliminates expensive inventory of multiple potential relays and capacitors.
- Two Year Warranty.

Locke#

L0380 TO-5 Kickstart for 1-3 Ton Reciprocating & Scroll Compressor

L0386 KS1 Kickstart for 3½-5 Ton Reciprocating & Scroll Compressors

START ASSIST KITS



Increases compressor starting torque for faster recycling. For all Permanent Split Capacitor (PSC) single phase air conditioning & heat pump systems. Total solid state design for maximum reliability & pre-wired with "piggyback" terminals for easy installation on run capacitors. Designed for 115V through 277V systems. Mounts easily with either screw or clip & can be used for a wide range of voltages, horsepower & BTU ratings.

Locke#	Model#	BTU's	HP	MARS	ROBERT-SHAW
L0742	SPP5	4,000 to 60,000	½ to 5	32701	600-057
L0745	SPP6	4,000 to 120,000	½ to 10	32702	600-052

TURBO200™ UNIVERSAL MOTOR-RUN CAPACITOR



The world's first multiple tapped, fluid-filled, metal can, motor-run capacitor, which eliminates the need to inventory more than 200 individual single or dual value capacitors with age rating up to 440 VAG.

The Turbo200™ capacitor has a combined total of 67.5 microfarads (mfd), with taps at 2.35/3.0 mfd, 5.0 mfd, 10.0 mfd, 20.0 mfd and 25.0 mfd. Includes 5 jumper wires.

Locke#

L0335 Turbo200 Up to 440 VAC

RUN CAPACITORS



	MFD	370v	440v
	4	L0931	
5	L0912	L5025	
6	L0378		
7.5	L0913	L5026	
10	L5024		
12.5	L5020		
15	L0930		
20	L0932	L0361	
20/15	L5031	L5030	
25	L0618	L0933	
25/5	L0369		
30	L5022	L0362	
30/5		L0689	
35	L0915	L0916	
35/5	L0936	L0690	
35/7.5		L4672	
40	L5021	L0917	
40/5		L0691	
45		L5023	
45/5	L4646	L0699	
50	L0383		
55		L0382	
55/5		L5039	
60/5	L0914		
ROUND	30/5		L2074
	35/5	L2077	L2075
	40/5		L2076