

# ELECTRICAL COMPONENTS

## Legacy 500 Flow Switch



Vertical mounting or versatile mounting.



- Viton seals
- For solenoid control only
- 1-8 GPM
- 4350 PSI
- 3/8" FPT Inlet / Outlet
- 190°F
- 1 Amp switch
- 2 Wire Reed
- Tough, impact-resistant, glass-reinforced, nylon housing
- Tungsten contact reed switch
- Heavy-duty machine brass internals

Part No.	Original No.	Description
8.712-244.0	410305A	Vertical Mount Only
8.712-247.0	410308A	Mount in Any Position (Gray)
9.803-266.0	109672	Reed Switch Only (2 wire)

## Legacy Flow Switch



Spring return float allows full mounting versatility.



- 4050 PSI
- 3500 rated pressure
- Horizontal or vertical mount
- Forged brass body
- NEW 3-wire reed switch
- 3/8" MPT inlet/outlet
- 8 GPM
- 190°F
- One Amp switch
- Solenoid control

Part No.	Original No.	Description
8.712-246.0	410307P	Flow Switch
9.803-266.0	109672	Reed Switch Only (2 wire)

## Flow Switch



- Brass body
- 8 GPM
- 3600 PSI
- 3 Amp reed switch
- 180°F
- 3/8" inlet/outlet ports

Part No.	Original No.	Description
8.712-243.0	410305	ST-5 – Vertical Mount Only
8.712-245.0	410306	ST-6 – Horizontal or Vertical Mount
9.803-266.0	109672	Reed Switch (AP) (2 wire)
8.704-122.0	109675	ST-5 – Reed Switch
8.704-121.0	109673	ST-6 – Reed Switch

## Phoenix Flow Switch w/ Pilot



- .75-16.0 GPM
- 4000 PSI
- 165°F
- 3 Amp-250 Volts
- 96" Reed Cord
- Includes 8mm Pilot
- 3/8" F inlet/outlet
- 2.5 lbs
- Mounting Hole

Part No.	Original No.	Description
8.712-252.0	410320	Switch with Pilot
8.712-253.0	410322	Reed Switch

## 11,000 PSI SS Flow Switch



- 11,000 PSI
- Stainless Steel
- 257°F
- 3/8" inlet/outlet

Part No.	Original No.	Description
8.723-665.0	87236650	ST-805 Flow Switch

## VAC Switch - Burner Control

Normally open (NO) switch closes when pump vacuum begins drawing water and opens when vacuum is broken due to pump shut down or empty water tank.



- 1/4 FPT connect
- Heavy-duty 16 Amp contacts
- 140°F max water temperature

Part No.	Original No.	Description
8.712-391.0	413031	1.5" (HG) Vac Switch
8.712-392.0	413032	2.5" (HG) Vac Switch
8.712-393.0	413034	4.5" (HG) Vac Switch

## Pressure Switch

Operation without opening switch case – Blue = Common  
CONNECT: Red/Blue = N/C, Blue/Brown = N/O



- 200°F
- Stainless steel plunger
- 3600 PSI
- 1/4" MPT nipple
- 15 Amp – 115 or 230V AC
- 3-wire – Internally wired for either N/O or N/C

Part No.	Original No.	Description
8.712-261.0	411060	Pressure Switch (Switches@360 PSI)
8.712-262.0	411060-40	Pressure Switch (Switches@580 PSI)
8.701-311.0	082022	Micro Switch (10 Amp 28VDC)
8.701-312.0	082023	Micro Switch (15 Amp 115/230VAC)

NOTE: 10 AMP 28 VDC Micro Switch available. Excellent for use on 12 VDC Hot Pressure Washers.

## Compact Pressure Switch

Three Amp rating provides the switching power to control fuel solenoids just like the large switches. Body measures 1" x 1-1/4" x 2" (Not including wire or connector)



- 3600 PSI max rating
- 580 PSI switch pressure
- 200°F
- 1/4" brass MPT connect SS plunger
- 3 Amp switch rating – 250V
- 48" – 3-wire cable for use in either NC or NO application: Blue = Common Brown = NO; Red = NC

Part No.	Original No.	Description
8.712-260.0	411050	Compact Pressure Switch

## Black Pressure Switch



- Brass stem and stainless steel nipple
- 3600 PSI
- 580 PSI switching pressure
- 195°F
- 1/4" male inlet
- 15 Amp
- Weight: 8 oz
- 250 volts



Part No.	Original No.	Description
9.802-458.0	6-021720	Black Pressure Switch

## Red Pressure Switch



- All stainless steel construction
- 5800 PSI
- 640 PSI switching pressure
- 195°F
- 3/8" male inlet
- 15 Amp
- Weight: 10 oz
- 250 volts



Part No.	Original No.	Description
8.712-267.0	411065	Red Pressure Switch
8.704-572.0	111459	Heavy-duty Micro Switch

## Toggle / Push Button Switch



- 7/16" mounting bushing
- 1/2" diameter mounting hole required
- Mounting hardware included

Part No.	Original No.	Description	HP*	Connects
8.712-319.0	411605*	SPST, 20A/110V	1.0	m/spade
8.712-320.0	411607	DPST, 20A/110V		m/spade
8.709-705.0	337206*	DPST, 20A/125V	1.5	screw
8.709-704.0	337205*	DPST, 20A/250V	2.0	screw
8.709-054.0	285140*	SPST, 20A/120V	3/4	m/spade
8.709-065.0	285189*	DPST, 20A/120V	3/4	screw
8.709-706.0	337207	Switch Guard		

### Push Button Switches

8.709-053.0	285139	SPST, 5A/120V Push on/ push off		screw
8.709-064.0	285187	SPST, 15A/120V Push and hold on/ release off		screw

\*Motor rated

## Accura High Limit Switch



411264

- Operates as safety device to shut off burner to prevent machine (water) overheating flashing to steam
- Does not turn back on until water has cooled 50° - 70°F
- Normally used with other adjustable or fixed range thermostat which regulates water temperature
- 15 Amp @110V/10 Amp @ 220V
- Heavy-duty brass housing (7000 PSI collapse rating)
- UL - CSA rated, bimetal switch components
- 1/4 male spade lug terminals
- 1/2" MPT external thread connects for attaching conduit or PVC wire connectors

Part No.	Original No.	Probe MPT	Temperature
8.712-300.0	411250	3/8"	110°F
8.712-301.0	411254	3/8"	120°F
8.712-302.0	411256	3/8"	140°F
8.712-304.0	411262	3/8"	170°F
8.712-306.0	411266	3/8"	180°F
8.712-309.0	411272	3/8"	210°F
8.712-311.0	411276	3/8"	230°F
8.712-305.0	411264	1/2"	180°F
8.712-307.0	411268	1/2"	200°F
8.712-308.0	411270	1/2"	210°F
8.712-298.0	411232	1/2"	230°F
8.712-313.0	411278	1/2"	250°F
8.712-316.0	411332	1/2"	330°F
8.705-351.0	141538	1/2"	PVC Coupler

## Accura High Limit Switch w/ Wire Lead



- Operates as safety device to shut off burner to prevent machine (water) overheating flashing to steam
- Does not turn back on until water has cooled 50° - 70°F
- Normally used with other adjustable or fixed range thermostat which regulates water temperature
- 15 Amp @110V/10 Amp @ 220V
- Heavy-duty brass housing (7000 PSI collapse rating)
- UL - CSA rated, bimetal switch components
- 1/4 male spade lug terminals
- 1/2" MPT external thread connects for attaching conduit or PVC wire connectors

Part No.	Original No.	Probe MPT	Wire Lead	Temperature
8.712-310.0	411274	1/2"	36" (two wire)	210°F
8.712-297.0	411231	1/2"	42"	230°F
8.712-299.0	411233	1/2"	80"	230°F
8.712-315.0	411331	1/2"	80"	330°F

# ELECTRICAL COMPONENTS

## Ground Fault Circuit Interrupters (GFCI)

GFCI's protect people and equipment by interrupting potentially lethal ground circuits exceeding 6mA. The dangers of electrical shocks have been long known – GFCI's are the only real way to be safe. Most city & county codes now require GFCI protection on power cleaning equipment.



- U.L. listed
- Three wire circuits
- Transient voltage protection
- 4 - 6mA ground fault protection
- Grounded neutral protection
- Mechanical trip indicator
- Compact size
- Rugged construction
- Radio frequency interference suppression

Part No.	Original No.	Volt	Amp	Length	Plug Included
8.709-850.0	337626	120V	15A	12 ft	yes
8.709-842.0	337607	120V	20A	12 ft	no
8.903-807.0	337608	120V	20A	12 ft	yes
8.709-843.0	337609	120V	20A	35 ft	yes
8.709-852.0	337630	240V	15A	12 ft	yes
9.802-433.0	6-010631	240V	20A	36 ft	yes
8.709-853.0	337632	240V	30A	6 ft	yes
8.709-860.0	337645	240V	30A	6 ft	no
8.709-861.0	337647	240V	30A	12 ft	no
8.709-854.0	337634	240V	30A	12 ft	yes
8.709-862.0	337649	240V	30A	35 ft	no
8.709-855.0	337635	240V	30A	35 ft	yes

### GFCI Plug without Cord

Part No.	Original No.	Volt	Amp	Length	Plug Included
8.709-847.0	337615	120V	15A	N/A	yes
8.709-846.0	337614	120V	20A	N/A	yes

NOTE: User-attached plug also includes the sealant necessary to attach the power cord per UL Specification.

## GFCI Module 20 Amp - 120V or 240V

Not recommended for field service.



- Using 120V or 240V shop attachable module; attach your power cord length as required
- Use with 16–12 gauge SJ, SJO or SJT 3-wire cords
- 20 Amp rating at 120V or 240V 60 Hz

Part No.	Original No.	Description
8.709-858.0	337642	GFCI Module 1PH
8.709-859.0	337643	GFCI Module 3PH (not pictured)

## Enclosure Box for Magnetic Motor Starter Sets



- NEMA 65 non-metallic enclosure Dim: 4-1/8" W, 4" D x 6" H
- 8 (1/2-3/4") wiring knockouts on box
- Holes pre-drilled for mounting contactor and overloads with mounting screws included

Part No.	Original No.	Description
8.902-525.0	260268X	Box, Toggle & Hardware

## Magnetic Motor Starters

For pressure washer and carwash applications.



Contactor



Overload



Coil

- 24VAC Control
- 1Ø - 240V, 3Ø - 240V or 480V Contactor
- Componentized for flexibility
- Thermal overloads adjustable within range shown
- Electrical life: 1,000,000+ cycles
- Mechanical life: 20,000,000+ cycles
- Contacts: 90% silver, 10% cad-oxide

Type	24V Coil	120V Coil	220V Coil	FL Amp	220V 1Ø HP	220V 3Ø HP	440V 3Ø HP
<b>Contactors</b>							
A	260265	260290	260295	22	2	3	5
Part No:	8.708-753.0	8.902-527.0	8.902-532.0				
B	260266	260291	260296	24	2	5	7.5
Part No:	8.708-754.0	8.902-528.0	8.902-533.0				
C	260267	260292	260297	32	3	5	10
Part No:	8.902-523.0	8.902-529.0	8.902-534.0				
D	260268	260293	260298	40	5	7.5	15
Part No:	8.902-524.0	8.902-530.0	8.902-535.0				
E	260269	260294	260299	52	7.5	10	20
Part No:	8.902-526.0	8.902-531.0	8.902-536.0				
F	260351	260352	260353	90	10	15	30
Part No:	8.708-790.0	8.708-791.0	8.708-792.0				

Part No.	Original No.	Voltage	Fits Contactor
<b>Coils Only</b>			
8.708-764.0	260274	24V	A,B,C,D
8.708-762.0	260272	120V	A,B,C,D
8.708-763.0	260273	220V	A,B,C,D
8.708-765.0	260275	480V	A,B,C,D
8.708-766.0	260277	120V	E
8.708-767.0	260278	220V	E

Part No.	Original No.	Type	Amp Range	Fits Contactor
<b>Thermal Overloads</b>				
8.708-749.0	260253	Man	9.0-15	A,B,C,D
8.708-758.0	260270	Man	14-23	A,B,C,D
8.708-760.0	260271	Man	17-26	A,B,C,D
8.708-742.0	260247	Man	20-33	C,D
8.708-744.0	260248	Man	28-42	C,D
8.708-746.0	260249	Man	35-50	E,F
8.708-802.0	260433AUTO	Auto	2.0-3.3	A,B,C,D
8.708-803.0	260437AUTO	Auto	4.5-7.5	A,B,C,D
8.708-804.0	260440AUTO	Auto	6.0-10	A,B,C,D
8.708-750.0	260253AUTO	Auto	9.0-15	A,B,C,D
8.708-759.0	260270AUTO	Auto	14-23	A,B,C,D
8.708-761.0	260271AUTO	Auto	17-26	A,B,C,D
8.708-743.0	260247AUTO	Auto	20-33	C,D
8.708-745.0	260248AUTO	Auto	28-42	C,D
8.708-747.0	260249AUTO	Auto	35-50	E,F

- Used to mount Overload to Motor Starter Contactors

Part No.	Original No.	Description
<b>Thermal Overload Connector Kits</b>		
8.708-768.0	260281	A,B,C,D
8.708-770.0	260284	E
8.708-789.0	260349	F

## Machine Control Cam Switches - 3 Position



- Heavy-duty rotary cam switches
- Legend plate reads Off/Pump/Burner
- Quick Make/Break action reduces arcing
- Wiring boot included (except 410242-3)
- Legend plate 2-1/2" square
- Four-screw mounting

Part No.	Original No.	Model	AMP Rating	Voltage	Phase
8.712-219.0	410210	S220-1686	20	110V	1Ø
8.712-224.0	410221	S220-1687	20	220V	1Ø
8.712-225.0	410223	S220-1688	20	220V	3Ø
8.712-227.0	410231	S225-1686	30	110V	1Ø
8.712-228.0	410232	S225-1687	30	220V	1Ø
8.712-229.0	410233	S225-1688	30	220V	3Ø
8.712-234.0	410242	S432-4095	40	240V	1Ø
8.712-235.0	410243	S432-1402	40	480V	3Ø

Single Hole Mounting - requires 1 22mm (7/8" Dia) hole

8.712-218.0	410208	220-1789	20	110V	1Ø
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## "Big Boot" Cam Switch - 3 Position

Large rectangular boot for easier wiring.



- Mounting configuration and electrical ratings same as "S" switches above

Part No.	Original No.	Model	AMP Rating	Voltage	Phase
8.712-238.0	410260	T225-1686	30	110V	1Ø
8.712-239.0	410262	T225-1687	30	240V	1Ø
8.712-241.0	410265	T225-1688	30	240V	3Ø

Single Hole Mounting - requires 1 22mm (7/8" Dia) hole

8.712-223.0	410219	220-1843	20	220V	1Ø
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## On / Off Cam Switch



- Legend plate: On/Off
- Tear drop-shaped knob
- Face plate 2-1/2" square
- Motor Ratings:  
410202 – 1-1/2 HP/ 110V  
410204 – 6 HP/ 240V

Part No.	Original No.	Description
8.712-213.0	410202	20 Amp/ 110 Volt
8.712-215.0	410204	28 Amp/ 240 Volt

## Universal "Elektra"

UL/CSA Rated Machine control cam switches



410251



410253



410263

- Position - "Off" - "Pump Burner"
- Quick make/break action - reduces arcing
- 2 or 4 screw mount (2-1/2 square legend plate)
- (Matches: Salzer/Kraus -Naimer/ Bremas & Klockner - Moeller mounts)
- "Boot" has plenty of wiring room
- Screw to screw/terminal to terminal replacement for salzer "S" & "J" type switches above
- "Tite Boot" excellent dust & moisture seal
- Contacts UL/CSA Rated: 25 Amp vs 20 Amp, 35 Amp vs 30 Amp, 50 Amp vs 40 Amp

Part No.	Original No.	AMP Rating	Wiring Poles	Phase	Voltage	HP Rating
8.712-236.0	410251	25	1	1	120	1.5
8.712-237.0	410253	25	2	1	120/240	1.5/2.0
8.712-240.0	410263	35	2	1	120/240	2/3
8.712-242.0	410267	50	2	1	120/240	3/7.5

NOTE: None of the ELEKTRA switches are for use on 3 phase motors without adding fuses or thermal overload.



"Elektra" On - Off Switch with box UL/CSA Rated 25 & 35 Amp. Compact 3-1/4" Square x 3-3/4" Deep Enclosure "Versatile Mount".

Part No.	Original No.	AMP Rating	Wiring Poles	Phase	Voltage	HP Rating
8.712-214.0	410203	25A	2	1	120/240	1.5/2
8.712-216.0	410205	35	2	1	120/240	2/3

NOTE: None of the ELEKTRA switches are for use on 3 phase motors without adding fuses or thermal overload.

## 60 AMP On / Off Cam Switch & Box

Cam Action Fast "Make-Break" to reduce arcing.



- 60 Amp disconnect rating
- Four 1/2" knock-outs
- Versatile mounting
- Motor Ratings:  
7.5 HP @ 240vt 1Ø  
5.0 HP @ 240vt 3Ø  
3.0 HP @ 480vt 3Ø

Part No.	Original No.	Description
8.712-217.0	410206	60 Amp Switch w/ Large Box 4-1/2" w x 7" H x 3-3/4" D
8.712-211.0	410190	60 Amp Switch only
8.712-212.0	410192	Box only 3-7/8" x 4-7/8" x 2-3/4" for 410190 switch using 10 gage/smaller wire
8.700-489.0	076521	Knob

NOTE: Switch does not have thermal overload protection

## 30 AMP Toggle Switch



- 30 Amp 600 Volt - DPST
- With or without box
- Rated for:  
2 HP motor @ 115V  
3 HP Motor @ 230V

Part No.	Original No.	Description
8.709-696.0	337187	Switch only
8.903-802.0	337188	Switch & Rain Tight Box
8.709-708.0	337210*	Switch w/ NEMA 1 Box

\*Not Rain Tight (Baldor Replacement)

## Manual Motor Starter w/ Sealed Box



- 25 Amp with adjustable overload
- Adjustment range 20-25 Amps
- Sealed box 3-1/4"W x 3-1/2"D x 6-1/2"H
- 110-500 Volt IEC rated
- 2 cord grips fit 1/2" threaded knockouts
- Protective cover over buttons
- Single & 3-phase wiring instructions

Part No.	Original No.	Description
8.709-709.0	337212	Motor Starter

## Winco AC Generator



2000 Watt, 120 VT, 3600 RPM, 16.7 Amp.

- Industrial-duty – 3 carbon brushes
- The STANDARD in the pressure washing industry: WINCO 2FSM2PC-1
- Starts & runs 1/2 HP motor
- 5/8" diameter shaft rotates either direction
- Extra slip ring for smoother power curve during motor starting
- Dual sealed permanent bearings
- 15" L x 6.5" W x 6.75" H
- 59 lbs weight

Part No.	Original No.	Description
9.802-527.0	337440	Winco AC Generator

- Genuine Winco parts
- Save downtime—we stock below items & more!

Part No.	Original No.	Description	No. Req'd
<b>Winco Repair Parts</b>			
8.700-603.0	078451	Bearings	2
8.700-604.0	078452	Brushes	3
8.700-606.0	078454	Capacitors	2
8.700-607.0	078455	Rectifier	1
8.700-609.0	078457	Receptacle	2
8.700-611.0	078459	Fan	1

## Voltmaster Generator

2500 Watt/120V/21.6 Amp @ 3600 RPM.



- Industrial-type watertight enclosure (11-5/8" x 7-1/2" diameter)
- Brushless design
- All copper windings – High surge capacity
- Circuit breaker protection (standard)
- Shaft rotates either direction
- 7/8" shaft, 2 sealed (ball) bearings
- 36.5 lbs weight
- Adapter plate for replacement of Winco model 2FS2PC-1 available

Part No.	Original No.	Description
8.709-810.0	337441	2500 Watt Generator
8.903-806.0	337443	Adapter Plate & Fasteners

## Adjustable Thermostat



With panel-mount controls.



- 4000 PSI
- 302°F
- 3 1/2" immersion bulb w/ 60" capillary tube
- Accuracy ± 2.5%
- Temperature change response within ± 6°F
- 16 Amp - 250 volt
- Large easy read dial
- Seal, nut & 1/2" transition coupling included

Part No.	Original No.	Description
8.904-556.0	430050	0-194°F Thermostat
8.712-497.0	430058	0-248°F Thermostat
8.904-557.0	430060	0-302°F Thermostat

## Adjustable Flow Thru Thermostat



- Stainless Steel Case
- Silver Contacts
- Ceramic Insulation
- Stop Collar
- Tension Adjusting Screw
- 3000 PSI
- 10 Amps - 110 Volts
- 5 Amps - 220 Volts
- Adjustable 85° - 195°
- 1/2" inlet, 3/8" outlet
- Fenwall Inside

Part No.	Original No.	Description
8.904-555.0	430027	Thermostat
8.700-501.0	076731	Switch Only

## In Line Thermostat

In Line Controls for Pressure Washers and Steamers.



- Positive bimetal temperature control
- 1/2" inlet/outlet FPT ports
- 2000 PSI max working pressure
- Universal 1/4" spade terminal connection

Part No.	Original No.	Description
8.712-492.0	430025	60-250°F
8.712-493.0	430035	60-350°F

## RainTite Switch Box



- UL 728A
- 2-3/4" x 5-1/2" x 2" box
- Three 1/2" tapped holes
- Box includes 2 plugs, ground screw & mounting lugs
- Cover includes gasket

Part No.	Original No.	Description
8.709-702.0	337203	RainTite Switch Box
8.709-703.0	337204	Switch Box Cover

## Cord Caps / Plugs



- Industrial quality
- Dead front cord caps – Nylon body straight plugs & "Auto-Clamp" for cord
- 337013 angle plug has vinyl body and both 30A & 50A neutral leg

Part No.	Original No.	Description
8.709-653.0	337000	15A/120V, Black Nylon
8.709-655.0	337004	20A/120V, Black Nylon
8.709-656.0	337006	20A/250V, Black Nylon
8.709-659.0	337013	30A-50A/250V, Black Vinyl

## Romex Connectors (Metal)



Part No.	Original No.	Description
8.709-663.0	337020	1/2" Strt. Connector
8.709-664.0	337021	3/4" Strt. Connector
8.709-660.0	337017	1/2" Lock Nut Only
8.709-661.0	337018	3/4" Lock Nut Only

## Vinyl Electrical Tape



- Premium grade - 7 mil
- UL approved
- 3/4" x 60'

Part No.	Original No.	Description
8.704-706.0	118910	Roll 3/4" x 60'

## Liquid-Tight Strain Relief Connector for Cable, Wire & Tubing

Keep water-tight NEMA-4 & 4x enclosures water-tight with these unique fittings.



**DOME NUT WITH INSIDE TAPER** As the dome nut is tightened, the seal ring grips, holding the cable wire or tubing positively in place.

**LEAD SCREW THREAD** The dome nut can be firmly tightened due to the high strength lead screw thread.

Part No.	Original No.	Type	Thread	Cord Size	Cord OD	Length
8.709-687.0	337135	Dome	1/2" NPT	14/3-12/3	.230"-.470"	1.8"
8.709-688.0	337137	Dome	3/4" NPT	14/3-12/3	.350"-.630"	2.0"
8.709-689.0	337139	Dome	3/4" NPT	12/3-10/4	.510"-.710"	2.0"

## PLASTIC JAM NUTS

Part No.	Thread
8.709-697.0	337190 1/2" NPT
8.709-698.0	337192 3/4" NPT



**CLAMPING SPLINES** Various sizes and odd-shaped cables, wires and tubing can be accommodated due to overlapping diagonally split clamping splines.

Part No.	Original No.	Type	Thread	Cord Size	Cord OD	Length
8.709-690.0	337155	Flex	1/2" NPT	14/3-12/3	.230"-.470"	4.3"
8.709-692.0	337159	Flex	3/4" NPT	12/3-10/4	.51"-.71"	5.2"

## Wire Loom - for wiring harnesses



- Protects wires from abrasion and crushing
- Controls bundles of wires and allows for multiple exits at wiring points
- "Factory Perfect" look for all machines

Part No.	Original No.	Description
8.709-679.0	337120	1/4" ID 100' Roll
8.709-680.0	337121	3/8" ID 100' Roll
8.709-681.0	337122	1/2" ID 100' Roll
8.709-682.0	337123	5/8" ID 100' Roll