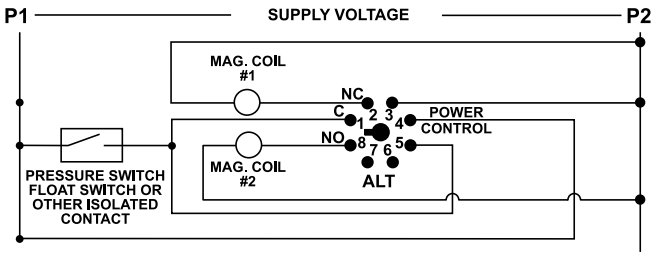
ALT SERIES

8-pin Plug-in Alternating Relay

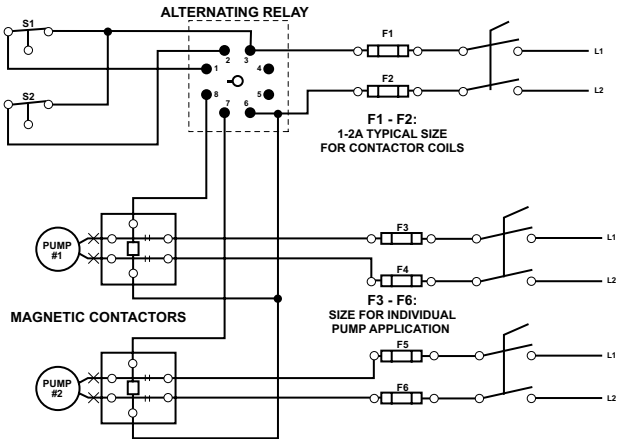


Wiring Diagram

TYPICAL WIRING DIAGRAM FOR THE ALT-S



TYPICAL WIRING DIAGRAM FOR THE ALT-X (CROSS CONNECTED)



Accessories



OT08PC Octal 8-pin Socket
8-pin 35 mm DIN rail or surface mount. Rated at 10 A @ 600 V ac. Surface mounted with two #6 screws or snaps onto a 35 mm DIN rail.

Description

The ALT series alternating relays are used to alternate between two loads. The ALT is commonly used in duplex pumping applications to balance the runtime of both pumps.

The **ALT-S** is used in single high-level float applications. When the float switch opens, the alternating relay changes state, forcing the other pump to run the next time the float closes. All ALT relays have a built-in debounce feature that prevents the relay from changing state if the switch or float contact bounces momentarily.

The **ALT-X** has an internal cross-connected relay and is used in dual high-level float applications. These floats are commonly referred to as lead and lag floats.

The pumps alternate as in the ALT-S version but the cross-connected relay configuration allows both pumps to run simultaneously when both the lead and lag floats are closed.

These relays are also available with a built-in switch (SW option) that is used to manually force one of the pumps to run every time the float switch is closed. This is helpful when a pump has been removed for repair or for test purposes. In the case of the **ALT-X-SW,** the switch essentially forces one pump to be the lead pump, while still allowing the second to run when both floats are closed.

Must use the OT08PC socket for UL Rating!

*Note: Manufacturer's recommended screw terminal torque for the OT series Octal Sockets is 12 in.-lbs.

Features & Benefits

FEATURES	BENEFITS
Debounce time delay	Prevents nuisance actuating causes by waves or spashing in the tank
Built-in manual/ auto switch	Force lead pump operation when a pump is removed for repair or testing (on select models)

Ordering Information

MODEL	LINE VOLTAGE	DESCRIPTION
ALT024-S†	20-26 V ac or V dc	For single high-level float applications
ALT024-S-SW†	20-26 V ac or V dc	For single high-level float applications with built in manual switch
ALT115-S	95-125 V ac	For single high-level float applications
ALT115-S-SW	95-125 V ac	For single high-level float applications with built in manual switch
ALT115-X	95-125 V ac	For dual high-level (lead and lag) float applications
ALT115-X-SW	95-125 V ac	For dual high-level (lead and lag) float applications with built in manual switch
ALT230-S	195-250 V ac	For single high-level float applications
ALT230-S-SW	195-250 V ac	For single high-level float applications with built in manual switch
ALT230-X	195-250 V ac	For dual high-level (lead and lag) float applications
ALT230-X-SW	195-250 V ac	For dual high-level (lead and lag) float applications with built in manual switch

†ALT024-S and ALT024-S-SW are not UL Listed

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ALT SERIES

Specifications

Input Characteristics

Supply Current	40 mA

Functional Characteristics

Debounce Time Delay	0.5 second
Control Input Impedance (min)	
24	10 kΩ
115	56 kΩ
230	100 kΩ

Output Characteristics

Output Contact Rating	480 VA @ 240 V ac

General Characteristics

Temperature Range	-40 °C to 50 °C (-40 °F to 122 °F)
Maximum Input Power	5 W

Safety Marks

UL (OT08PC octal socket required)	UL 508 (File #E68520)
CSA	C22.2 No. 14 (File #46510)
Dimensions (with socket)	**H** 44.45 mm (1.75"); **W** 60.33 mm (2.375"); **D** 104.78 mm (4.125")
Weight	0.38 lb. (6.08 oz., 172.67 g)
Mounting Method	DIN rail or surface mount (plug into OT08PC socket)
Socket Available	OT08PC (UL Rating 600 V)

The 600 V socket can be surface mounted or installed on DIN rail.

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