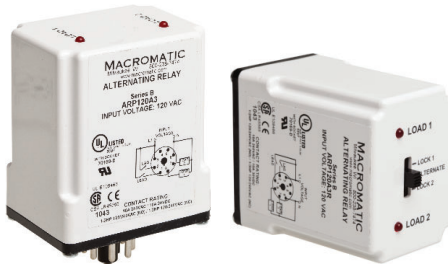


# DPDT CROSS-WIRED DUPLEXOR

## ARP SERIES



- ◆ For Duplex Control of two loads
- ◆ 10A DPDT Cross-Wired Output Configuration when additional capacity is required
- ◆ Control voltages of 12 & 24V AC/DC and 120 & 240V AC
- ◆ Compact plug-in design utilizing industry-standard 8 pin octal socket, or 12-pin square base.
- ◆ Optional low profile selector switch for normal alternation or to lock either load to be ON first
- ◆ Two LEDs indicate load to energize first
- ◆ Pilot Duty Rating



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Alternating Relays with DPDT cross-wired outputs are used in applications requiring both (a) the optimization of load usage by equalizing the run time of two loads and (b) additional capacity in case of excess load requirements. This alternating action is initiated by a control switch, such as a float switch, manual switch, timing relay, pressure switch, or other isolated contact. Each time the initiating switch is opened, the output relay contacts will change state, thus alternating the two loads. Two LEDs indicate which load will energize first.

Alternating Relays with DPDT cross-wired output configurations are typically used to control two loads when the need to have both loads on at the same time for additional capacity is required.

An optional three position selector switch is offered. This allows a DPDT cross-wired unit to alternate the two loads as normal, or lock the relay to always operate the same load first each time. A load that has fewer hours of operation than the other load could be used more often to eventually balance the run time of both loads. For typical applications and detailed connection diagrams, visit: [www.macromatic.com/ar-apps](http://www.macromatic.com/ar-apps).

OUTPUT CONTACTS	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
<b>DPDT CROSS-WIRED</b> Without Selector Switch	12V AC/DC 24V AC/DC 120V AC 240V AC	ARP012A3 ARP024A3 ARP120A3 ARP240A3	8 Pin Octal <b>70169-D</b>  <b>DIAGRAM 19</b>
<b>DPDT CROSS-WIRED</b> With Selector Switch	12V AC/DC 24V AC/DC 120V AC 240V AC	ARP012A3R ARP024A3R ARP120A3R ARP240A3R	 <b>DIAGRAM 147</b>
<b>DPDT CROSS-WIRED</b> Without Selector Switch	12V AC/DC 24V AC/DC 120V AC 240V AC	ARP012A5 ARP024A5 ARP120A5 ARP240A5	 <b>DIAGRAM 147</b>
<b>DPDT CROSS-WIRED</b> With Selector Switch	12V AC/DC 24V AC/DC 120V AC 240V AC	ARP012A5R ARP024A5R ARP120A5R ARP240A5R	 <b>DIAGRAM 147</b>
<b>DPDT CROSS-WIRED</b> Without Selector Switch	24V AC/DC 120V AC	ARP024A4 ARP120A4	12 Pin Square <b>SD12-PC</b>  <b>DIAGRAM 178</b>
<b>DPDT CROSS-WIRED</b> With Selector Switch	24V AC/DC 120V AC	ARP024A4R ARP120A4R	 <b>DIAGRAM 178</b>

See page 14 for Available Sockets & Accessories