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## Accessories



See accessory pages for specifications.

## Description

The ARP Series is used in systems where equal run time for two motors is desirable. The selector switch allows selection of alternation or either load for continuous operation. LED's indic ate the status of the output relay. This versatile series may be front panel mounted (BZ1 accessory required) or 35 mm DIN rail mounted with an accessory socket.

## Operation

Alternating: When the rotary switch is in the "alternate" position, alternating operation of Load A and Load B occurs upon the opening of the control switch S1. To terminate alternating operation and cause only the selected load to operate, rotate the switch to position "A" to lock Load A or position "B" to lock Load B. The LEDs indicate the status of the internal relay and which load is selected to operate.

## Connection



Note: Input voltage must be applied at all times for proper alternation. The use of a solid state control switch for S1 may not initiate alternation correctly. S1 voltage must be from the same supply as the unit's input voltage (see connection diagrams). Loss of input voltage resets the unit; Load A becomes the lead load for the next operation.


Relay contacts in above are isolated.

Example P/N: ARP41S, ARP63

## Alternating Relay

ARP Series
Motor Duplexor

## Technical Data

| Input |  |
| :---: | :---: |
| Voltage | 24, 120, or 230 V AC |
| Tolerance 24 V AC | -15\% ... $+20 \%$ |
| 120 \& 230 V AC | -20\% ... +10\% |
| Line Frequency | $50 \ldots 60 \mathrm{~Hz}$ |
| Output |  |
| Type | Electromechanical relay |
| Form | SPDT, or DPDT, or cross wired DPDT |
| Rating | 10 A resistive at 120/240 V AC \& 28 V DC; $1 / 3 \mathrm{hp}$ at 120/240 V AC |
| Maximum Voltage | 250 V AC |
| Life | Mechanical -- $1 \times 10^{7}$ <br> Electrical -- $1 \times 10^{6}$ |
| Protection |  |
| Isolation Voltage | $\geq 1500$ V RMS input to output |
| Mechanical |  |
| Mounting | Plug-in socket |
| Package | $3.2 \times 2.39 \times 1.78 \mathrm{in}$. $(81.3 \times 60.7 \times 45.2 \mathrm{~mm})$ |
| Termination | 8 Pin octal or 11 Pin magnal |
| Environmental |  |
| Operating Temperature | $-20^{\circ} \mathrm{C} \ldots+60^{\circ} \mathrm{C}$ |
| Storage Temperature | $-30^{\circ} \mathrm{C} \ldots+85^{\circ} \mathrm{C}$ |
| Weight | $\cong 5.6 \mathrm{oz}(159 \mathrm{~g})$ |

## Mechanical View



Inches (Millimeters)

