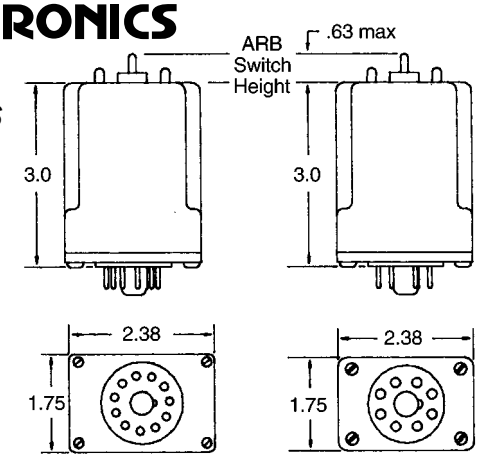
ARA, ARB SERIES

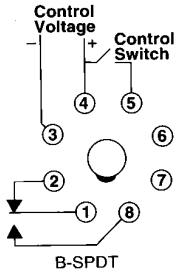
DIVERSIFIED ELECTRONICS

Duplexor

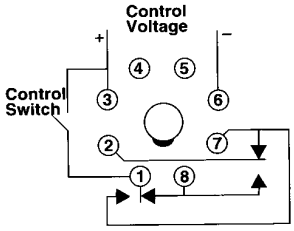
DIMENSIONS
INCHES



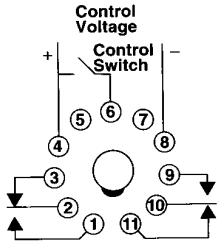
WIRING



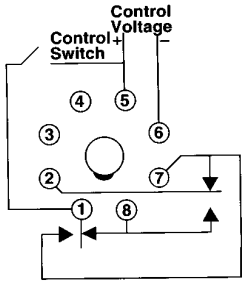
B-SPDT
RB-08/OT-08



C-DPDT (cross wired) RB-08/OT-08



D-DPDT
RB-11/PF113A



E-DPDT (cross wired)
RB-08/OT-08

OPERATION

The Duplexor is used in control panels where two loads are required to alternate to provide equal run time on the loads. The alternating action is initiated by a control switch, which is common with one side of the control voltage. The output contacts will change states each time the control switch is opened, thus alternating the two loads. The LED indicators show the position of the output relay.

The ARA series is the standard Duplexor providing automatic alternating sequence. The ARB has the automatic sequencing feature plus the option of locking it into one sequence. A three position switch permits the field selection of normal duplexing action, locking in the A-B sequence, or B-A sequence.

SPECIFICATIONS

CONTROL VOLTAGE: 24, 120 VAC/DC, 208, 240, 480 VAC, 50/60Hz, 48 VDC, ±10%

CONTROL SWITCH CURRENT: 1 mA

CONTACT RATING: 10 Amps @ 240 VAC, Resistive 1/8 hp @ 120 VAC
1/4 hp @ 240 VAC Inductive 360 VA @ 240 VAC, Inductive

POWER REQUIRED: 3 VA (Approximately)

TEMPERATURES
Operate: -4° to 131°F (-20° to +55°C)
Storage: -40° to 185°F (-40° to +85°C)

DUTY CYCLE: Continuous

LIFE EXPECTANCY
Mechanical: 10,000,000 Operations (Minimum)
Electrical: 100,000 Operations @ Rated Load

INDICATORS: LED Shows Output Position

ENCLOSURE STYLE: "A" Lexan® Dust Cover

TERMINATIONS: Industrial Plug-in

NOTE

For Analog signal inputs, ATC offers a duplexing pump control — the 3800 DPM

480 VAC is not available in the D-DPDT 11-Pin configuration

GENERAL ORDER INFORMATION CODE

A R X-X X X-A X A

ALTERNATING RELAY

TYPE OF ALTERNATING RELAY
- **A** Standard Duplexor
- **B** Special Function Duplexor

CONTROL VOLTAGE
- **24** 24 VAC/DC
- **48** 48 VDC
- **120** 120 VAC/DC
- **208** 208 VAC
- **240** 240 VAC
- **480** 380-480 VAC Consult Factory

TYPE OF VOLTAGE
- **A** VAC or VAC/DC
- **D** 48 VDC only

CONTACT CONFIGURATION
- **B** SPDT
- **C** DPDT (Cross Wired)
- **D** DPDT
- **E** DPDT (Cross Wired)

ENCLOSURE STYLE

ALTERNATING RELAYS AND CONTROLLERS