

The **UOA Series** offers protection to **SINGLE PHASE** equipment that is required to operate above a certain voltage minimum.

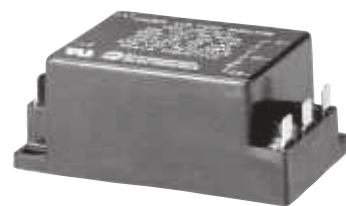
### OPERATION

With operating voltage applied above the preset **PICK-UP** voltage, the internal relay will energize. When the voltage falls below the preset **DROP-OUT** voltage for a period longer than the release delay, the output relay will de-energize. When line conditions return above the preset **PICK-UP** voltage, the UOA Series automatically resets and the internal relay energizes.

The **HYSTERESIS** in each unit provides a differential between the **PICK-UP** and **DROP-OUT** trip points.



STYLE "A"



STYLE "N"



Style A only



E55826

## Single Phase Under Voltage Monitor

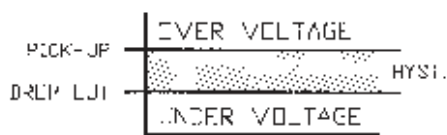
| MODEL NUMBER | DROP-OUT VOLTAGE | PICK-UP VOLTAGE | HYSTERESIS VOLTAGE |
|--------------|------------------|-----------------|--------------------|
| UOA-24-A*A   | 19-27 VAC        | 21-29 VAC       | 2                  |
| UOA-120-A*A  | 97-130 VAC       | 102-135 VAC     | 5                  |
| UOA-208-A*A  | 177-222 VAC      | 185-230 VAC     | 8                  |
| UOA-240-A*A  | 205-250 VAC      | 215-260 VAC     | 10                 |
| UOA-12-D*A   | 9-14 VDC         | 10-15 VDC       | 1                  |
| UOA-24-D*A   | 19-27 VDC        | 21-29 VDC       | 2                  |
| UOA-48-D*A   | 38-53 VDC        | 40-55 VDC       | 2                  |
| UOA-110-D*A  | 92-125 VDC       | 97-130 VDC      | 5                  |
| UOA-220-D*A  | 185-230 VDC      | 194-239 VDC     | 9                  |
| UOA-240-D*A  | 205-250 VDC      | 215-260 VDC     | 10                 |
| UOA-120-AFN  | 100 VAC          | 105 VAC         | 5                  |
| UOA-208-AFN  | 180 VAC          | 188 VAC         | 8                  |
| UOA-220-AFN  | 180 VAC          | 187 VAC         | 7                  |
| UOA-230-AFN  | 190 VAC          | 198 VAC         | 8                  |
| UOA-240-AFN  | 202 VAC          | 210 VAC         | 8                  |

\*Adjustments - F = Fixed  
K = Knob  
L = Locknut

### SPECIFICATIONS

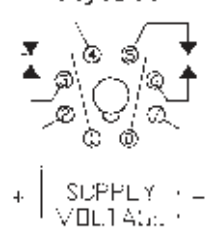
|                           |   |   |
|---------------------------|---|---|
| <b>OPERATING RATING</b>   | Style A   | DPDT, 5A @ 240 VAC, Resistive;<br>211 VA @ 240 VAC              |
|                           | Style N   | SPDT, 10A @ 240 VAC, Resistive;<br>180 VA, Inductive, @ 120 VAC |
| <b>RESPONSE TIMES</b>     | Operate   | 50 mSEC. (approx.) (500 mSEC. on 12 VDC units)                  |
|                           | Release   | 0.5 SEC (approx.)   |
| <b>TEMPERATURE RATING</b> | Operate   | 32° to +131°F (0° to +55°C)                                     |
|                           | Storage   | -49° to 185°F (-45° to +85°C)                                   |
| <b>POWER REQUIRED</b>     | Models Up To 110 VDC: 3 Watts, Max.<br>Models Up To 300 VAC: 5 VA, Max. |   |
| <b>WEIGHT</b>             | 5 oz. to 5.5 oz.  |   |

### WIRING



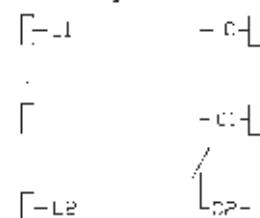
WIRING DIAGRAMS (SHOWN IN DE-ENERGIZED STATE)

#### PLUG-IN MODEL Style A



(DC POLARITY SHOWN)

#### SURFACE MOUNTED Style N



RB-08 or PF083A