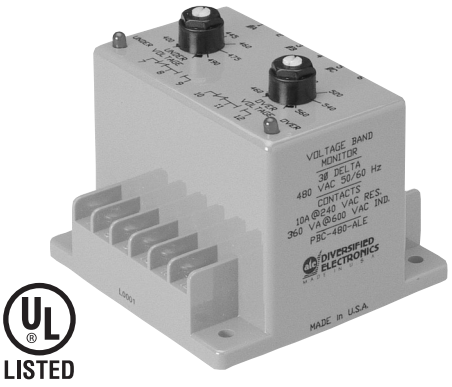
Three Phase Voltage Band Monitor/Relays PBC Series



UL LISTED

Style E

Operation

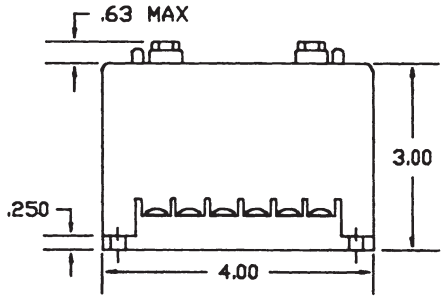
The PBC Series offers protection to three-phase equipment that is required to operate between two voltage limits. All three phases are monitored individually for a pre-selected under and over voltage limit.

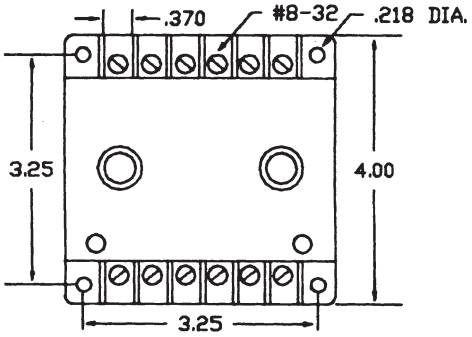
With normal operating voltages applied, the internal relay will energize (PICK-UP). When the voltages on any or all phases fall outside the preset Over/Under trip points for loner than the Release delay, the relay will de-energize (DROP-OUT). When line conditions return to normal, the PBC Series Monitor automatically resets and the internal relay energizes.

The LED fault indicators aid in set up and system trouble-shooting. The respective LED glows on fault condition.

The LED indicators have an immediate response to voltage conditions and operate independently of the relay.

The HYSTERESIS in each unit provides a differential of 4% between the PICK-UP and DROP-OUT trip points.





Specifications

Hysteresis: 4%

Response Times
Operate: 100 Milliseconds
Release: 0.5 Seconds

Output Rating: DPDT, 3 Amps @ 600 VAC, Resistive; 360 VA @ 600 VAC, Inductive; 1/2 hp

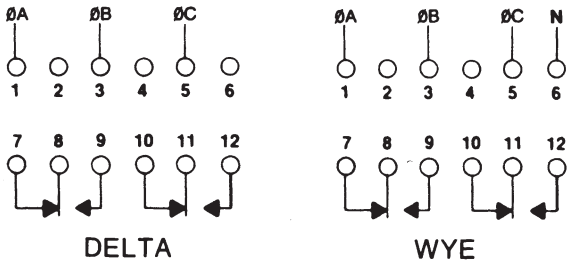
Indicators LED: Glows On Fault; (1) For Over, (1) For Under

Temperatures
Operate: 0° to +40°C
Release: -45° to +85°C

Power Required
Models Up to 300 VAC: 7 VA, Maximum
Models Over 300 VAC: 6 VA, Maximum

Repeat Accuracy: 0.1% @ Fixed Condition

Reset: Automatic



DELTA CONNECTED	PBC-120-ALE	PBC-230-ALE	PBC-400-ALE	PBC-440-ALE	PBC-480-ALE	PBC-575-ALE
MAXIMUM VOLTAGE	155 VAC	275 VAC	485 VAC	550 VAC	570 VAC	700 VAC
ADJUSTABLE RANGES						
Under	90-120	185-240	325-385	390-480	400-490	500-610
Over	120-150	208-265	415-475	440-540	460-560	540-690

WYE CONNECTED	PBC-120/208-ALE	PBC-220/380-ALE	PBC-277/480-ALE
MAXIMUM VOLTAGE	268 VAC	450 VAC	565 VAC
ADJUSTABLE RANGES (phase-to-neutral)			
Under	90-120	185-220	235-277
Over	120-150	220-255	277-320

All voltages referenced on this page are phase-to-phase, unless otherwise indicated.