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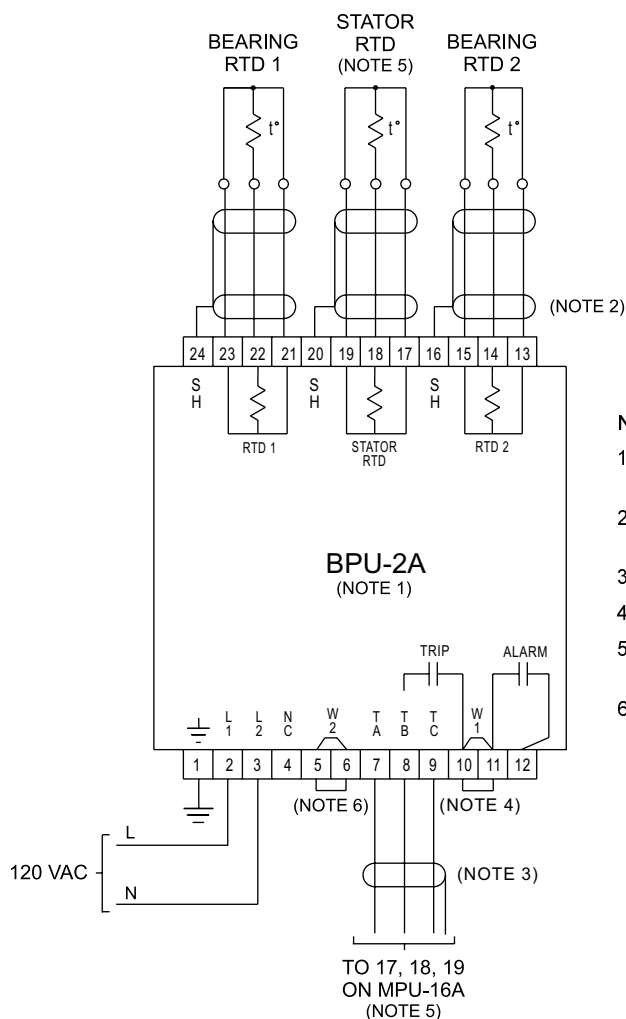
BPU-2A

BEARING PROTECTION UNIT

The BPU-2A is a microprocessor-based bearing protection unit. Trip and alarm set points and LED indication are provided for two bearing RTD's. The BPU-2A can be user configured for 100-ohm platinum (PT100), 100-ohm nickel (NI100), or 120-ohm nickel (NI120) RTD's. The BPU-2A can trip and alarm on bearing temperature and on the temperature differential between two bearings. Indication is provided for open or shorted RTD's.

The BPU-2A was designed to add bearing-temperature protection to the MPU-16A Motor Protection Unit; however, it can be used as a stand-alone unit to monitor two bearing RTD's. In the stand-alone configuration, two Form A output contacts can be user configured for fail-safe or non-fail-safe operation.

TYPICAL APPLICATION



NOTES:

1. SURFACE-MOUNT CONFIGURATION SHOWN, FRONT VIEW.
2. GROUND RTD CABLE SHIELDS AT BPU-2A ONLY.
3. GROUND CABLE SHIELD AT MPU-16A ONLY.
4. REMOVE W1 FOR STAND-ALONE OPERATION.
5. DO NOT CONNECT FOR STAND-ALONE OPERATION.
6. REMOVE W2 FOR LATCHING OPERATION.

TECHNICAL SPECIFICATIONS

Supply:
120 or 240 Vac (+10%, -30%), 50/60 Hz, 5 VA

Dimensions:

Height	96 mm (3.8")
Width	96 mm (3.8")
Depth	101 mm (4.0")

Output Relays:	
Contact Rating	1 mA to 8 A Resistive, 250 Vac or 30 Vdc, 0.125 hp @ 120/240 Vac.
Contact Configuration	Form A
Operating Mode	Fail Safe or Non Fail Safe

Bearing-RTD Inputs:	
RTD Type	100-Ω Platinum (DIN43760), 100-Ω Nickel, or 120-Ω Nickel
Lead Compensation	25 Ω Max
Temperature Range	60°C to 120°C
Differential Range	10° to 20°
Accuracy	± 3°C

Stator-RTD Input:

RTD Type	100-Ω Platinum (DIN43760),
	100-Ω Nickel, or
	120-Ω Nickel

Environment:

Operating Temperature	-40°C to 60°C
Storage Temperature	-55°C to 80°C

ORDERING INFORMATION

BPU-2A-

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Mount:		Supply Voltage:	
P	Panel	12	120 Vac, 50/60 Hz
S	Surface	24	240 Vac, 50/60 Hz

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