



Power Boosters

The PB- 100 series of Power Boosters are used to enhance the run and correction signals for secondary clocks when the signals are degraded by long wire lengths & low voltage conditions or to provide voltage translation in clock systems with mixed voltage requirements. There are two models for Impulse Clocks and four models for Wired Synchronous clocks. Knockouts for 1/2, 3/4 & 1 inch conduit are provided in the enclosure.



PB-101 (2-Wire Reverse Polarity Minute Impulse Systems)

The Booster for these systems accepts the two wire 24 VDC minute impulse signals "A and C" or "AB and PC". The signal levels are reproduced at a higher voltage level. This booster output will drive some types of three wire minute impulse clocks.

PB-102 (3-Wire Minute Impulse Systems)

The booster for these systems accepts the three wire 24 VDC minute impulse signals "A, B and C". The signals are reproduced at a higher voltage level.

PB-103 (24/24 VAC Wired Sync. Booster)

This booster is used for Wired Synchronous Clock systems operating from 24 VAC. The booster reproduces the Run, Correction and Common signals at a higher Voltage level.

PB-104 (115/24 VAC Wired Sync. Systems)

This booster is used for Wired Synchronous Clock systems that have mixed voltage requirements. The booster accepts the Run, Correction and Common signals at 115 VAC and reproduces those signals at 24 VAC.

PB-105 (24/115 VAC Wired Sync. Systems)

This booster is used for Wired Synchronous Clock Systems that have mixed voltage requirements. The booster accepts the Run, Correction and Common signals at 24 VAC and reproduces those signals at 115 VAC.

PB-106 (115/115 VAC Wired Sync. Booster)

This booster is used when run and correction signals are degraded by wire lengths, etc. The 115 VAC Run, Correction and Common signal are accepted and restored to full line voltage levels.

Specifications:

	PB-101	PB-102	PB-103	PB-104	PB-105	PB-106
Input Power	115Vac	115Vac	115Vac	115Vac	115Vac	115Vac
Current	1.5Amp	1.5Amp	1.5Amp	1.5Amp	1.5Amp	1.5Amp
Input AB (Min)	±20Vdc					
Input PC (Min)	±20Vdc					
Input A (Min)		+20Vdc				
Input B (Min)		+20Vdc				
Input C		Common				
Input Run			(Signal	is	Not	Used)
Input Cor. (Min)			20Vac	92Vac	20Vac.	92Vac
Input Return			Common	Common	Common	Common
Output AB (Min)	±24Vdc					
Output PC (Min)	±24Vdc					
Output A (Min)		+24Vdc				
Output B (Min).	+24Vdc	+24Vdc				
Output C		Common				
Output Run (Min)			24Vac	24Vac	115Vac	115Vac
Output Cor Min)			24Vac	24Vac	115Vac	115Vac
Output Return			Common	Common	Common	Common