signPRO® Magnetic Sign Ballasts

for T12/HO Rapid Start Fluorescent Lamps

The sign industry's "workhorse" -- offered in both 120V or 277V models!

Proven Performance

The popular line of products once known as the "Magnificent Six" now boasts the signPRO product logo, but their reputation for efficient operation, long ballast life and outstanding reliability remains firmly intact.

Built to Perform - Under All Weather Conditions

signPRO magnetic sign ballasts are designed to provide low temperature starting - down to -20°F! Their UL Type 2 Outdoor listing allows for greater flexibility in sign design and for all outdoor applications. Each model also meets UL Class P and CSA requirements for safe, reliable operation.

Special Construction - The Secret to Long Life

signPRO magnetic sign ballasts are built using high-grade steel laminations and copper coils, which are vacuum impregnated. This impregnation process drives insulation into the ballast coils, eliminating air pockets.
Air pocket elimination greatly enhances heat dissipation and moisture protection.
Add to the foregoing a corrosion-resistant, white steel casing, and the secret to long, reliable ballast life is unveiled.

Versatile Wiring Options-Ease of Installation or Replacement

signPRO magnetic sign ballasts feature special integral anchor tabs enabling the adding of optional, customized wiring compartments.

Two such compartments are offered:

> *The PC161W "tepee style" lead cover, when space is at a premium.*

> *The PC857W "j-box style" with five, 7/8" knockouts for maximum wiring flexibility.*
(See Page 8.)

It's no wonder signPRO magnetic ballasts are preferred by sign builders and contractors from coast to coast.

NEW *And Advance continues to meet your needs with the introduction of a brand new ballast dedicated to your 4 x 96" sign applications!*

Satisfaction Guaranteed - You Can Count On It!

Warranted for a full two years, signPRO magnetic sign ballasts are supported by a team of technical professionals. Call toll-free at 1-800-372-3331.

Magnetic Ballast Specifications

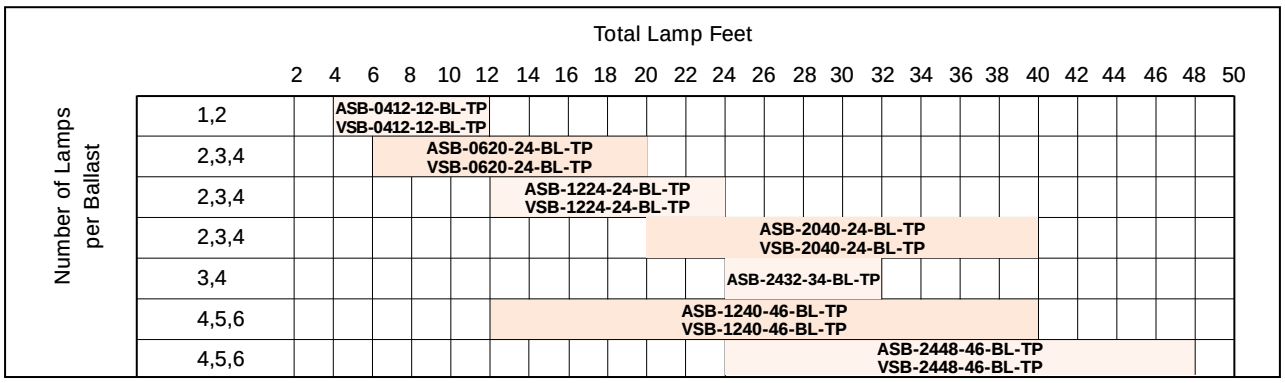
Lamp Data			Min. Starting Temp. (°F)	Input Volts	Catalog Number	Max. Line Current (Amps)	Max. Input Power (Watts)	Open Circuit Volts	Dim.	Wiring Diag.	Weight (lbs.)
No. of Lamps	Lamp Footage Min	Lamp Footage Max									
1,2	4	12	-20°F	120	**ASB-0412-12-BL-TP**	1.48	175	480	BL-1	21, 39	12
				277	**VSB-0412-12-BL-TP**	0.65					
2, 3, 4	6	20		120	**ASB-0620-24-BL-TP**	2.56	304	720	BL-1	5, 8, 13	12
				277	**VSB-0620-24-BL-TP**	1.12					
2, 3, 4	12	24		120	**ASB-1224-24-BL-TP**	2.70	312	785	BL-2	7, 9, 13	14
				277	**VSB-1224-24-BL-TP**	1.15					
2, 3, 4	20•	40•		120	**ASB-2040-24-BL-TP**	4.00	472	720	BL-3	5, 9, 13	21
				277	**VSB-2040-24-BL-TP**	1.75					
3, 4	24	32		120	**ASB-2432-34-BL-TP**	3.30	370	975	BL-4	8, 13	21
4, 5, 6	12▾	40▾		120	**ASB-1240-46-BL-TP**	3.90	462	720	BL-3	14, 15, 19	21
				277	**VSB-1240-46-BL-TP**	1.70					
4, 5, 6	24▪	48▪		120	**ASB-2448-46-BL-TP**	5.19	604	720	BL-3	14, 15, 19	21
				277	**VSB-2448-46-BL-TP**	2.25					

NEW

- • Total lamp length of each circuit (A) and (B) must not be less than 10 ft. nor more than 20 ft. Circuit (A) is comprised of lamps 1,2. Circuit (B) is comprised of lamps 3,4. (See wiring diagrams)
- ▾ Total lamp length of each circuit (A) and (B) must not be less than 6 ft. nor more than 20 ft. Circuit (A) is comprised of lamps 1,2,3. Circuit (B) is comprised of lamps 4,5,6. (See wiring diagrams)
- ▪ Total lamp length of each circuit (A) and (B) must not be less than 12 ft. nor more than 24 ft. Circuit (A) is comprised of lamps 1,2,3. Circuit (B) is comprised of lamps 4,5,6. (See wiring diagrams)

Note: See Page 8 for Dimensions and Wiring Diagrams.

Ballast Selection Guide



To select the ballast for your particular plastic sign application:

1.) Determine the total number of lamp feet required (from 4 to 48 feet) and read down to select the proper Advance Catalog Number. Note that the first ballast you come to, reading down the chart, will be the most economical for your application.

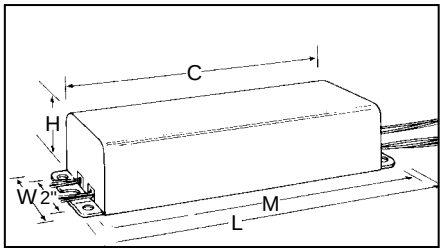
2.) The number of lamps per ballast is shown in the left column.

Magnetic Sign Ballast Specifications

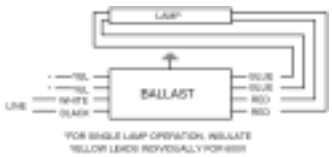
1. The ballast shall be Advance signPRO electromagnetic core & coil design.
2. The ballast shall be provided with integral leads, color-coded to ANSI standard C82.1 (latest version).
3. The ballast shall operate from a nominal line voltage of 120 or 277 volts +/- 10%, 60 Hz.
4. The ballast shall operate the lamps at 60 Hz.
5. The ballast shall have a Power Factor greater than 90% at maximum input power.
6. The ballast shall start the lamps at a minimum temperature of -20°F/-29°C.
7. The ballast shall comply with all applicable state and federal efficiency standards.
8. The ballast shall be Underwriters Laboratories (UL) listed (Class P, Type 2 Outdoor) and CSA Certified.
9. The ballast shall be specified Advance or equal.
10. The ballast shall not contain Polychlorinated Biphenyls (PCB's).
11. The ballast shall carry a two-year warranty.
12. The manufacturer shall be a full-line ballast manufacturer with 50 years or more of ballast manufacturing experience.

Ballast Dimensions and Diagrams

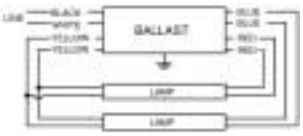
Designation	Dimension (inches)			
	Length (L)	Width (W)	Height (H)	Mounting (M)
BL-1	11.75	3.19	2.63	11.13
BL-2	14.30	3.19	2.63	13.75
BL-3	19.20	3.19	2.69	18.63
BL-4	16.70	3.19	2.63	16.13



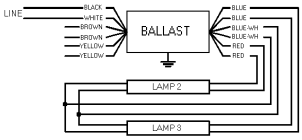
Wiring Diagrams



Diag. 39

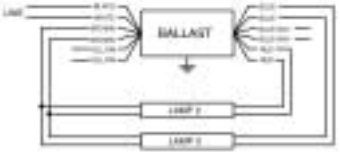


Diag. 21



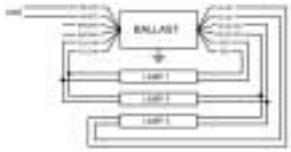
Note: Insulate unused leads individually as shown on ballast label.

Diag. 5



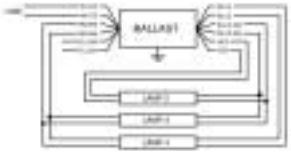
Note: Insulate unused leads individually as shown on ballast label.

Diag. 7



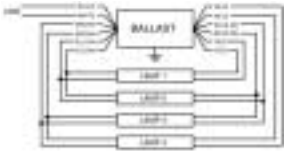
Note: Insulate unused leads individually as shown on ballast label.

Diag. 8

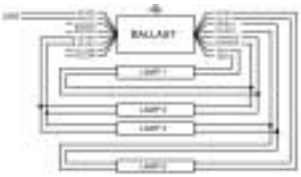


Note: Insulate unused leads individually as shown on ballast label.

Diag. 9

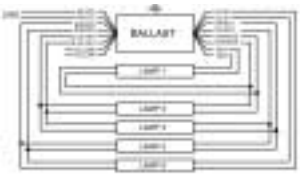


Diag. 13



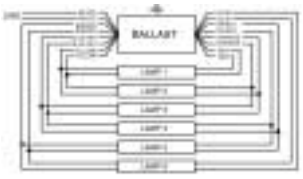
Note: Insulate unused leads individually as shown on ballast label.

Diag. 14

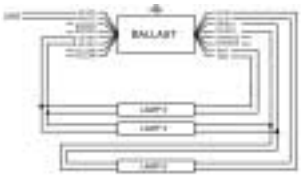


Note: Insulate unused leads individually as shown on ballast label.

Diag. 15



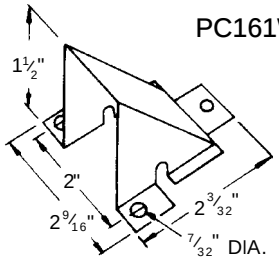
Diag. 19



Diag. 28

Wiring Compartments

PC161W



PC857W