



PENTECO/PERMEX P-180 Tritium Exit Sign



General Information

The Permex P-180 self-illuminating exit sign operates 24 hours a day 7 days a week, without the need for electrical wiring, batteries, or ambient light.

How does it work? The Permex P-180 system incorporates virtually fail-proof tritium/phosphor light source technology. This system has been used for years in aviation, military and manned space applications, where reliability is absolutely essential. Each light source is internally coated with phosphor and filled with tritium (hydrogen³) gas. As the gas converts to helium, low energy beta particles are produced which strike the phosphor causing it to luminesce.

The Permex P-180 meets the stringent illumination standards of NFPA-101, the Life Safety Code, and meets OSHA requirements. It is recognized to be an acceptable alternate in code occupancies requiring electrically illuminated emergency exit signs. This includes occupancies traditionally requiring signs to be supplied by either two sources of power or by two separate circuits. The Permex P-180 is U.L. tested and listed with a recommended code life of either 10, 15, or 20 years, depending on the model chosen.

Specifications

General

- Legend lighted characters, 6" x 3/4" stroke.
- Self-contained light sources requiring no wiring, no battery or external power source.
- Impact resistant/corrosion proof.

Dimensions

- 14" x 8 1/2" x 1"

Construction

- Housing: Molded ABS Plastic.
- Faceplate: Stencil cut, legend lighted.

Luminance

- Luminous color green, green-yellow.

Life

- 10, 15, or 20 years based on U.L. tests against NFPA, Life Safety Code minimum brightness standards.

Legibility

- Viewing distance rated at 125 feet.

Arrows

- Universal arrows are standard.

Mounting

- Back, ceiling and right angle mounting hardware is standard.

Architectural Specifications

- Exit signs shall be Permex P-180 series. Fixture design shall have passed ANSI 540 tests of structural integrity. Legend shall be lighted with a minimum of 17 separately sealed light sources. Both directional arrow and mounting systems shall be universal.

Ordering Information

Face Color	Code Life		
	10 year	15 year	20 year
Red	P-180-R-10	P-180-R-15	P-180-R-20
Green	P-180-G-10	P-180-G-15	P-180-G-20
Black	P-180-B-10	P-180-B-15	P-180-B-20

Ordering Notes

- For DOUBLE FACE add suffix "DF" to above numbers; e.g., P-180-G-10-DF
- Standard housing color is black. Both WHITE and GRAY are also available. Please add additional suffix "WH" or "GY" if desired to above numbers; e.g., P-180-R-20-WH