

TOMAR SMALL FIRE APPARATUS
Emergency Fire Apparatus Warning Light System
in accordance with NFPA-1901-1999

System:

<u>Zone Placement</u>	<u>Qty</u>	<u>Tomar Part #</u>	<u>Description</u>
Zone A - Upper	1	930N-5606-PS02	930N-5606-PS02 Red Light Bar 16 Lamps total - 14 Strobe - 2 Halogen-Flasher/Strobe as follows: 2 Clear Strobes - Front Center 4 Red Strobes - Front 1 Red Strobe - 45 degree Front Corner - Drivers Side 1 Red Strobe - 45 degree Front Corner - Passenger Side 1 Amber/Red Halogen-Flasher/Strobe - Alley Drivers Side* 1 Amber/Red Halogen-Flasher/Strobe - Alley Passenger Side* 2 Amber Strobes - Rear Center* 4 Red Strobes - Rear
Zone A - Lower**	2	Rect-37SWP-R	Rect-37S-Red Waterproof Strobe Lamp
Zone B - Lower**	2	Rect-37SWP-R	Rect-37S-Red Waterproof Strobe Lamp
Zone C - Lower**	2	Rect-37SWP-R	Rect-37S-Red Waterproof Strobe Lamp
Zone D - Lower**	2	Rect-37SWP-R	Rect-37S-Red Waterproof Strobe Lamp
	2	780-1228-WP	780-1228 4 Head Neobe Waterproof Power Supply

* See color substitutions, # 1 & # 2, that are possible if optional bumper level lamps are installed

**OPTIONAL bumper level perimeter warning lamps are highly recommended

Operating description:

The Tomar Small Fire Apparatus, is operated in the following modes:

For "Clearing the Right of Way"

Roof Level The 930N-5606-PS02 Light Bar all Lamps operating in High Intensity.

Bumper Level The 780-1228 Power Supplies are operated in **Pursuit** (Hyper) Flash Rate or **Normal** (Neobe) Flash Rate, High Intensity.

For "Blocking the Right of Way"

Roof Level The 930N-5606-PS02 Light Bar all Lamps operating in High Intensity, except for the two front center Clear Strobe Lamps are deactivated.

Bumper Level The 780-1228 Power Supplies are operated in **Normal** (Neobe) Flash Rate, High Intensity.

Note: A Small Fire Apparatus is defined by the NFPA as a vehicle less than 22 feet in length and less than 8 feet in height. In addition, the center of all optical warning lamps must be installed on the vehicle at or below 8 feet above ground level in order to fall within the NFPA definition for a Small Fire Apparatus.

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Substitutions permissible to the warning light system to comply with NFPA standards includes but are not limited to the following selections:

1. The Tomar 930N-5606-PS02 Light Bar may be ordered with
1 Red Halogen-Flasher/Strobe - Alley Drivers Side*
1 Red Halogen-Flasher/Strobe - Alley Passenger Side*
If Qty 2 Rect-37S-R lamps are installed in both Zone B and D.
2. The Tomar 930N-5606-PS02 Light Bar may be ordered with
2 Red Strobes - Rear Center*
If Qty 2 Rect-37S-R lamps are installed in Zone C.
3. The Light Bar may be substituted with the Tomar 930N-6407-PS02 or the Tomar 930N-7208-PS02.
4. Red lamps may be substituted with Blue in any zone, or may be substituted with Amber in zones B, C or D.
5. The 780-1228 power supplies in the lower level may be operated in either Normal or Pursuit Flash Rate.
 1. The Rect-37SWP-Red may be substituted with any Zone permissible color(s).
 2. The Rect-37SWP-Red may be substituted with a Rect-79SWP-Red or other Zone permissible color(s).
 3. The use of Bezels (Rect-37-TSMF and Rect-79-TSMF) on Lower Level optical sources.
 4. The 780-1228 Power Supply operating the Lower Level optical sources may be substituted with any of the following:

772-1228 Power Supply
770P-1228 Power Supply
776-1228 Power Supply
782-1228 Power Supply
786-1228 Power Supply

provided the above power supplies are operated in High Intensity.