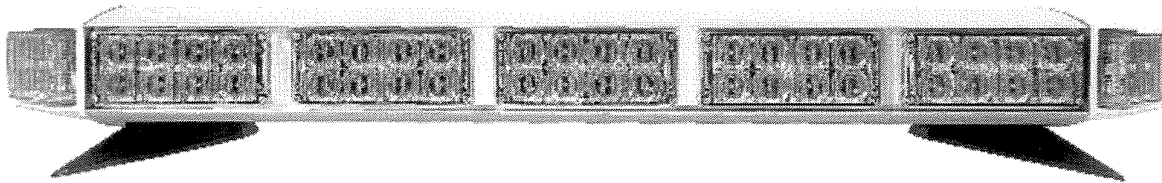


# Tomar 930LD Lightbar Operational & Programming Instructions

IS0930LD-00  
10/26/2004



## Programming Warning Modes Using The 940L-DCP Digital Control Panel

The 930LD Lightbar flash patterns may be custom programmed by using the Tomar 940L-DCP Digital Control Panel or the Tomar 940L-Siren Amp with Control Panel.

The 930LD Lightbars have a wide variety of Flash Patterns built into the 930LD-24 Flasher memory. The 930LD-24 Flasher can independently control 24 channels of LED or Halogen lamps. Using EEPROM memory, the 930LD-24 Flasher can be reprogrammed many times. The 930LD-24 programs have been designed to allow independent programming of the Front, Rear and Corner/Side Lamps. Factory default patterns & a complete list of available patterns are detailed in Appendix A for the length of 930LD Lightbar you have ordered.

### EEPROM

EEPROM (electrically erasable programmable read-only memory) is user-modifiable read-only memory (ROM) that can be erased and reprogrammed (written to) repeatedly through the application of programming commands. The advantage of EPROM, allows the 930LD-24 flasher to be reprogrammed without being removed from the lightbar.

The following pages detail the method used to change the 930LD-24 Flasher factory default programming to an alternative available flash pattern using a Tomar 940L-DCP Digital Controller.

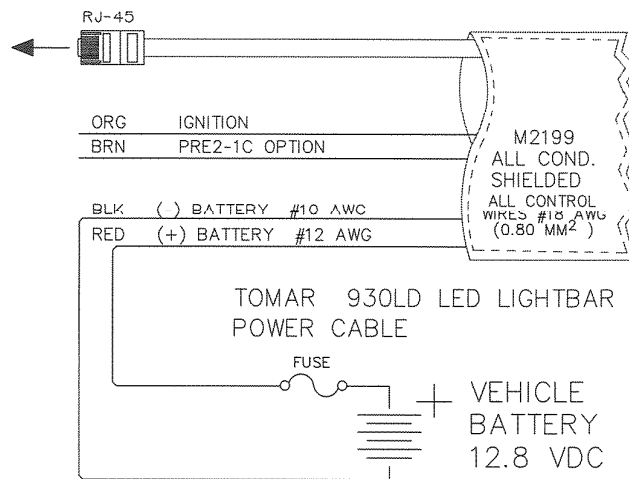
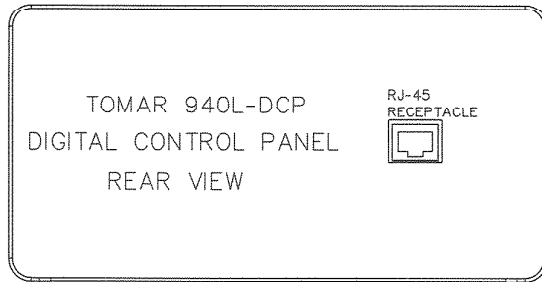
**CAUTION: REMOVE POWER FROM THE LIGHTBAR BEFORE CONNECTING THE 940L-DCP. FAILURE TO DO SO WILL DAMAGE THE 930LD-24 FLASHER.**

## Tomar 930LD Lightbar Programming Instructions

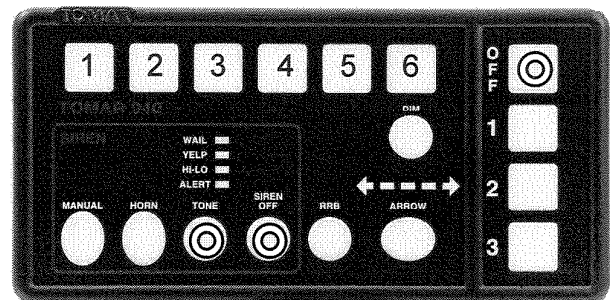
### Using the 940L-DCP Digital Control Panel or the 940L-Siren Amp & Control Panel

**Connecting to the 930LD-4805 to 940L-DCP: REMOVE POWER.** Connect the RJ-45 modular plug directly to the 940L-DCP, or the 940L-Siren Amp & Control Panel via the Slave RJ-45 port on the rear panel. Apply and maintain main power to the Lightbar.

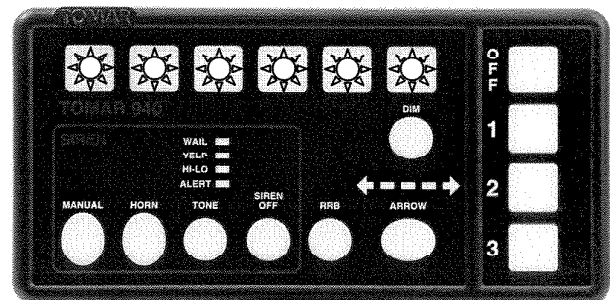
A. Activate Lightbar Programming Mode



1. Activate the Lightbar Program Mode by simultaneously pressing the TONE + SIREN OFF + OFF switches and hold for two seconds



2. Programming switches 1-6 will blink three times to indicate successful activation of programming mode.

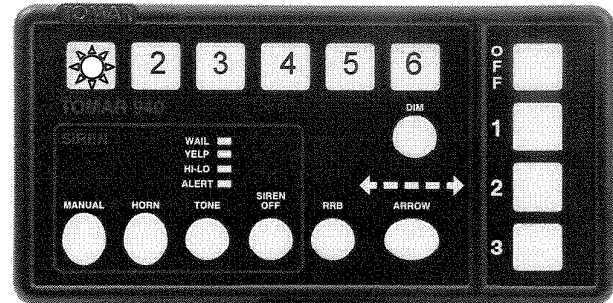


## B. Programming Lightbar Takedown Position

### 1. Program Takedown Position:

**Note:**

If a MODE or ARROW switch is activated, press OFF switch once to deactivate.



(a) Takedown Position: Press and hold Programming switch 1, the current Takedown Lamp Position will turn ON.

(b) While holding Programming switch 1, press Programming switch 2. The Takedown position will advance to an alternate Takedown position.

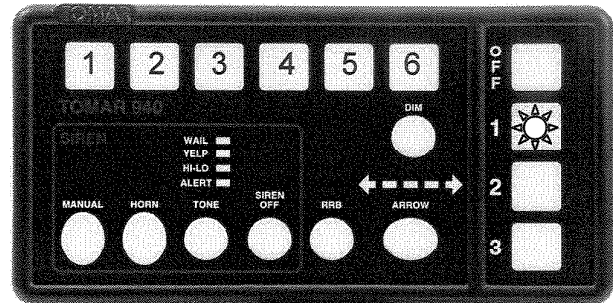
(c) Continue until the desired Takedown position is selected.

(d) Release Programming switch 1.

**Note:** All Flash Patterns for the Front Warning Lamps will automatically be adjusted for the selected Takedown position.

### C. Programming Mode Switches

1. Program Mode 1:  
Begin programming the Mode 1 warning pattern by pressing mode Switch 1.



(a) Selecting Flash Pattern: Select the Mode 1 warning pattern by pressing the appropriate switch as listed below. Each press advances the pattern one step. Continue until the desired pattern is selected.

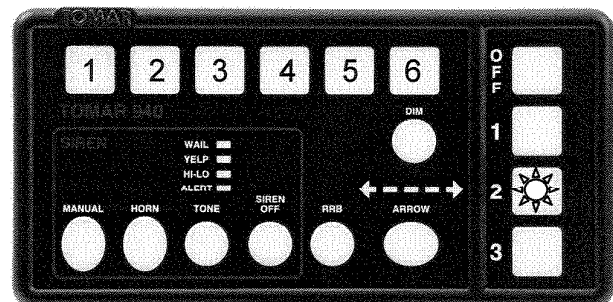
Pressing Programming switch 1 advances the Front Warning Lamps  
Pressing Programming switch 3 advances the Rear Warning Lamps  
Pressing Programming switch 5 advances the Corner & Side Warning Lamps

(b) Selecting Flash Rate: Select the Mode 1 flash rate by pressing the appropriate switch as listed below. Each press advances the flash rate one step. Continue until the desired flash rate is selected.

Pressing Programming switch 2 switch advances the Front Flash Rate  
Pressing Programming switch 4 switch advances the Rear Flash Rate  
Pressing Programming switch 6 switch advances the Corner & Side Flash Rate

(c) Flash pattern and rate are now set for Mode 1 when selected.

2. Program Mode 2:  
Begin programming the Mode 2 warning pattern by pressing mode Switch 2.



(a) Selecting Flash Pattern: Select the Mode 2 warning pattern by pressing the appropriate switch as listed below. Each press advances the pattern one step. Continue until the desired pattern is selected.

Pressing Programming switch 1 advances the Front Warning Lamps  
Pressing Programming switch 3 advances the Rear Warning Lamps  
Pressing Programming switch 5 advances the Corner & Side Warning Lamps

(b) Selecting Flash Rate: Select the Mode 2 flash rate by pressing the appropriate switch as listed below. Each press advances the flash rate one step. Continue until the desired flash rate is selected.

Pressing Programming switch 2 switch advances the Front Flash Rate  
Pressing Programming switch 4 switch advances the Rear Flash Rate  
Pressing Programming switch 6 switch advances the Corner & Side Flash Rate

(c) Flash pattern and rate are now set for Mode 2 when selected.

as listed below. Each press advances the pattern one step. Continue until the desired pattern is selected.

Pressing Programming switch 1 advances the Rear Warning Patterns

- (b) Selecting Flash Rate: Select the Traffic Direction Mode flash rate by pressing the appropriate switch as listed below. Each press advances the flash rate one step. Continue until the desired flash rate is selected.

Pressing Programming switch 2 switch advances the Traffic Direction Flash Rate

- (c) Flash pattern and rate are now set for Traffic Direction Mode when selected.

**E. EXIT Programming Mode:** Press the OFF switch TWICE, once to disable the Lightbar, once to exit the 940 program mode.