

Tomar 941P-01 Police Digital Control Panel

Operation & Programming Instructions

Emergency Vehicle Warning Lightbar & Auxiliary Accessory Control System

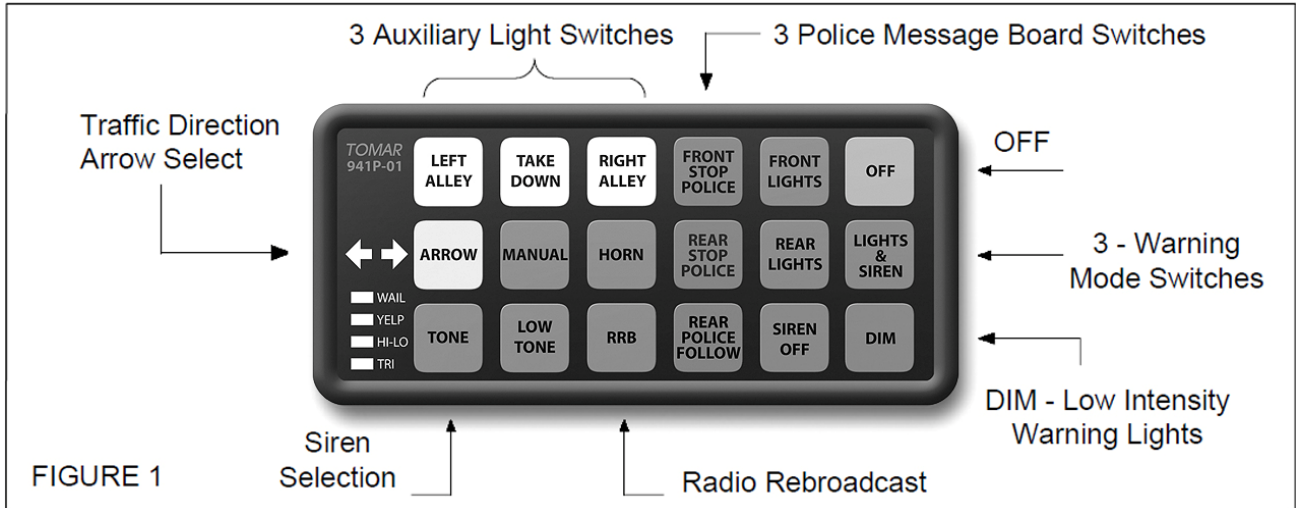


FIGURE 1

Tomar 941P-01 Police Digital Control Panel Features:

- 3 - Warning Mode Switches
- 3 - Programmable Auxiliary Light Switches
- 3 - Programmable Police Message Board Switches
- DIM - Low Intensity Warning Light Activation
- Traffic Direction - Arrow Selection
- Radio Rebroadcast (when used with 941P-01-SIREN)
- Siren Control (when used with 941P-01-SIREN)
- Features detailed on page 2

Using the Tomar 941P-01 Police Digital Control Panel To:

- **Control a 930L, 950N or 960L Lightbar - using the Tomar 941P-01-SIREN**
The 941P-01-SIREN can be used to operate any of the 930L, 950N or 960L Lightbars. Reference the 941P-01-SIREN Operation & Installation Instructions.
- **Control a 930LD Lightbar - using the Tomar 941P-01**
The 941P-01 can be used to operate a 930LD Lightbar.
- **Custom Program a single Tomar 941P-01**
The 941P-01 Police Digital Control Panel can be custom programmed.
Page 2 - Detailed Factory Settings
Page 3 - Programming instructions
- **Custom Program another Tomar 941P-01 - using Tomar 941P-01 (MASTER)**
A custom programmed 941P-01 (MASTER) can be linked to another 941P-01 (SLAVE) for rapid programming download. See page 6 for rapid programming instructions.

- **Factory Settings and Programmable Features of the Tomar 941P-01**

Personalize the 941P-01 by custom programming some, or all, of the features detailed below.

The **3-AUXILIARY LIGHT** switches are Toggle-On-Off and are illuminated when activated.

The **3-POLICE MESSAGE BOARD** switches are Toggle-On-Off and are illuminated when activated. REAR STOP POLICE and REAR POLICE FOLLOW cannot be activated at the same time. Activation of one of the Rear Police Message Boards will override the other.

The **3-WARNING MODE** switches are Toggle-On-Off and are illuminated when activated. Each of the modes can have any, or all, of the AUXILIARY LIGHT and POLICE MESSAGE BOARD switches custom programmed to activate when the mode is selected. However, the same WARNING MODE switch can not be associated with both the REAR STOP POLICE and REAR POLICE FOLLOW.

The **ARROW** is a Toggle-On-3 Cycle-Off button. The initial Traffic Direction mode is Left Arrow, followed by Right Arrow, Center-out and Off. The Traffic Direction selected will be indicated by the arrow display to the left of the ARROW button.

The **ARROW** features can be activated independently, or in conjunction with, the 3-WARNING MODE switches.

The **DIM** switch is a Toggle-On-Off and is illuminated when Low Intensity Warning Light is activated.

The **OFF** switch will deactivate the active switches in the following order; 3-WARNING MODE switches, the ARROW switch, and all AUXILIARY LIGHT and POLICE MESSAGE BOARD switches. If all three are active, the first press of the OFF switch will deactivate the 3-WARNING MODE switches, the second press will deactivate the ARROW switch, and the third press will deactivate all the AUXILIARY LIGHT and POLICE MESSAGE BOARD switches.

- **Additional Features of the Tomar 941P-01 when used with the 941P-01-SIREN**

The **SIREN OFF** switch is Toggle-On-Off and is illuminated when OFF. With SIREN OFF, the MANUAL tone (Manual WAIL) and HORN may still be activated. The status of the SIREN OFF button will be retained even when power is removed from the 941P-01.

The **SIREN TONE** and **MANUAL** secondary tone can only be activated in LIGHTS & SIREN Mode, and will be Off or On based on the last state of the SIREN OFF button.

The **TONE** switch allows the operator to change the selected tone to any 1 of 4 tones programmed as WAIL, YELP, HI-LO or TRI. The factory set tone is WAIL. The last tone selected will remain the initial tone until the operator selects another. If power is removed, the set tone is restored.

The **MANUAL** button, when the SIREN tone is not activated, will momentarily sound the MANUAL WAIL Tone. When the SIREN tone is activated, the MANUAL button sounds the associated secondary tone for 4.5 seconds, or until the MANUAL button is pressed again. The factory default secondary tone for WAIL

is YELP. The 4 TONE positions (WAIL, YELP, HI-LO and TRI) all have an associated secondary tone, which can be custom programmed to any 1 of the 7 available tones.

The **HORN** button is a Momentary switch which activates the 941P-01-SIREN Electronic Air Horn.

The **RRB** (RADIO REBROADCAST) Toggle-On-Off button when activated will transmit radio or dispatch audio through the 941P-01-SIREN.



Programming a single 941P-01

CAUTION: MAKE ALL CONNECTIONS BEFORE APPLYING POWER.

Powering the 941P-01 in order to enter programming mode.

Use the 941P-01: Connect the 941P-01 to the Master RJ-45 port of a 940-SW by using a Tomar RJ-45 CAT5 cable. The 941P-01 is then energized when power is applied to the 940-SW.

ENTER PROGRAMMING MODE: Deactivate all features and maintain power to the 941P-01. Once all features are verified to be off, wait approximately 15 seconds for the back-lighting to turn off. Then press and hold, the **MANUAL** and **OFF** switches for 2 seconds simultaneously. The **AUXILIARY LIGHT** and **SERVICE LIGHT** switches will blink three times to indicate successful activation of the 941P-01 programming mode.



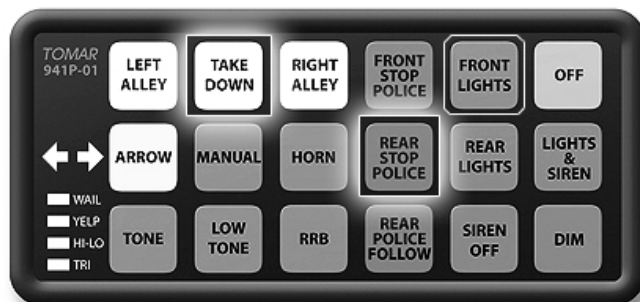
NOTE: MAINTAIN POWER to continue in Programming Mode.

There are 3 areas of operation that can be custom programmed. These features can be programmed in any order. Press OFF once to exit and save each phase of the programming.

WARNING: The 2nd consecutive time OFF is pressed the programming mode is ended.

- Associate AUXILIARY LIGHT and or POLICE MESSAGE BOARD switches to activate with a WARNING MODE switch
- Select the initial SIREN TONE
- Modify the associated MANUAL Secondary Tone for one or all of the SIREN TONES

A.) Associating one or more AUXILIARY LIGHT and or POLICE MESSAGE BOARD switches to activate with a WARNING MODE switch. Note: The operator is able to manually activate or deactivate the associated Auxiliary Light and or Police Message Board switches regardless of programming.



Example: Auxiliary Light (Take Down) & Police Message Board (Rear Stop Police) to activate in Front Lights Mode

Press FRONT LIGHTS - Press all desired active Auxiliary Light and or Police Message Board Switches for the FRONT LIGHTS Mode.

Press OFF.

Press REAR LIGHTS - Press all desired active Auxiliary Light and or Police Message Board Switches for the REAR LIGHTS Mode.

Press OFF.

Press LIGHTS & SIREN - Press all desired active Auxiliary Light and or Police Message Board Switches for the LIGHTS & SIREN Mode.

Press OFF.

B.) Selecting the initial SIREN TONE. The operator is able to manually select, activate and deactivate the SIREN tone regardless of programming.

Press TONE.

Press TONE repeatedly until the desired initial tone is illuminated.

Press OFF



C.) Modify the associated MANUAL Secondary Tone for one or all of the SIREN TONES.

Factory Set Tone Associations

<u>TONE</u>	<u>Associated MANUAL Secondary Tone</u>
WAIL	YELP
YELP	Hyper-YELP
HI-LO	Hyper-HI-LO
TRI	Hyper-TRI

The factory set initial tone of WAIL (Illuminated Steady), has a factory set associated MANUAL Secondary Tone of YELP (Slow Flashing). Each primary tone can be associated with 1 of 6 secondary tones listed below. NOTE: If only one Tone indicator is illuminated and flashing - then the TONE has been associated with the hyper version of the same tone.

<u>TONE - Steady</u>	<u>MANUAL Secondary Tone</u>
WAIL	Slow Flashing WAIL = WAIL
YELP	Slow Flashing YELP = YELP
HI-LO	Slow Flashing HI-LO = HI-LO
TRI	Slow Flashing TRI = TRI

Fast Flashing YELP = hyper-YELP
Fast Flashing HI-LO = hyper-HI-LO
Fast Flashing TRI = hyper-TRI

Press MANUAL.

Press TONE to select a primary tone.

Press MANUAL until the slow or rapid flashing indicator corresponds with the desired secondary tone.

Press TONE to select another primary tone.

Press MANUAL until the slow or rapid flashing indicator corresponds with the desired secondary tone.

Repeat as desired.

Press OFF.



EXIT PROGRAMMING: Pressing **OFF** again will exit the 941P-01 programming mode. The Auxiliary Light and Police Message Board Switches will blink (**six**) times to indicate successful recording of the 941P-01 programming mode. Now remove power from the 941P-01.

- **Custom Programming another Tomar 941P-01**

A previously custom programmed 941P-01 (MASTER) can be used to rapidly download the custom program to another 941P-01 (SLAVE).

Programming with a 941P-01:

1. Connect the previously custom programmed 941P-01 (MASTER) to the Master RJ-45 port of the 941P-01-SIREN by using a Tomar RJ-45 CAT5 cable.
2. Apply power to the 941P-01-SIREN.
3. Press and hold, the MANUAL and OFF switches for 2 seconds simultaneously. The Auxiliary Light and Police Message Board switches will blink (three) times to indicate successful activation of the 941P-01 (MASTER) programming mode.
4. Now connect the 941P-01 (SLAVE) to the Slave RJ-45 port of the 941P-01-SIREN by using a Tomar RJ-45 CAT5 cable. The Auxiliary Light and Police Message Board switches on the SLAVE will blink (three) times to indicate successful activation of the 941P-01 Programming Mode.
5. To perform Rapid Download, simply press the RRB button on the 941P-01 (MASTER). The Auxiliary Light and Police Message Board switches on the 941P-01 (MASTER) will progressively illuminate all 6 Auxiliary Light and Police Message Board switches. The 941P-01 (SLAVE) Auxiliary Light and Police Message Board switches will then blink (three) times to indicate successful download of the custom program.
6. Remove 941P-01 (SLAVE) from the Slave RJ-45 port of the 941P-01-SIREN.
7. To program an additional 941P-01 (SLAVE) repeat steps 4 through 6.
8. Pressing OFF twice will exit the 941P-01 (MASTER) programming mode. The Auxiliary Light and Police Message Board Switches will blink (six) times to indicate that programming mode has been exited.
9. Remove power from the 941P-01-SIREN.