

TOMAR

Operation Instructions



948L-SIREN-R

IS0948-SIREN
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The **948L-SIREN-R** can be used to control all 12Vdc activated emergency vehicle lighting. The switch functions are configurable to meet most needs. See the 948L-DCP programming instructions for changing the functionality of the switches.



DEFAULT SWITCH FUNCTIONS

Auxiliary switches 1 – 5 are toggle on-off and activate +12Vdc on terminals 3 – 7 on the 940-AMP.

Auxiliary switch 6 is a momentary switch that provides +12Vdc to terminal 2 on the 940-AMP only for as long as the button is held down.

Slide Switch – four positions, OFF – Mode 1 – Mode 2 – Mode 3. The slide switch is progressive, the Mode 1 setting provides +12Vdc to terminal 10, Mode 2 provides +12Vdc to terminals 9 and 10 and Mode 3 provides +12Vdc to terminals 8, 9 and 10 on the 940-AMP.

Arrow switch – toggle on – 3 cycle – off, from the OFF state the first push will provide +12Vdc to terminal 17, the second push removes +12Vdc from terminal 17 and applies +12Vdc to terminal 18, the third push applies +12Vdc to terminals 17 and 18.

Dim switch – toggle on/off, provides -12Vdc to terminal 1 on the 940-AMP. In normal lightbar operation activating the switch will but the lightbar into dim mode.

Manual switch – when the siren is not activated the Manual switch will momentarily sound the Wail tone. With the siren activated pressing the Manual switch will change the active tone to the secondary tone. A second push will revert the siren to the primary tone.

Horn switch – momentary – activates the 940-AMP electronic air horn.

Rotary Switch – six position, selects siren tones and sets radio re-broadcast.

RRB Position –The radio audio outputs from pins 4 and 7 on the MIC JACK are relayed to the siren speaker via terminals 19 and 20 on the 940-AMP

Stand By Position - The factory default setting activates the siren in the tone selected when the slide switch is set to Mode 3. With the rotary switch in the standby position the siren is disabled when in Mode 3. See the 948L-DCP programming instructions for alternate configurations.

Wail – selects wail as the primary tone

Yelp – selects yelp as the primary tone

Alert – selects alert as the primary tone

Hi/Lo – selects hi/lo as the primary tone

Slide Switch Application

Terminal #10	5 amps max	ON = +12Vdc	Mode 1
Terminal #9	10 amps max	ON = +12Vdc	Mode 2
Terminal #8	10 amps max	ON = +12Vdc	Mode 3

Auxiliary Switch Application

Terminal #7	10 amps max	ON = +12Vdc	AUX 1
Terminal #6	10 amps max	ON = +12Vdc	AUX 2
Terminal #5	10 amps max	ON = +12Vdc	AUX 3
Terminal #4	10 amps max	ON = +12Vdc	AUX 4
Terminal #3	10 amps max	ON = +12Vdc	AUX 5
Terminal #2	10 amps max	ON = +12Vdc	AUX 6

Arrow Switch Application

Terminal #18	5 amps max	ON = +12Vdc	Right Arrow
Terminal #17	5 amps max	ON = +12Vdc	Left Arrow

Maximum combined load for terminals 2 – 10, 17 and 18 is 25 amps

Dim Switch Application (150 mA max)

Terminal #1	ON- grounded, OFF – open	Dim feature
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Additional Siren Amp terminal connections

Terminal #11	Horn Ring	+12Vdc or Ground activated
Terminal #12	Horn Relay	To Vehicle Horn
Terminal #13	Air Horn	+12Vdc or Ground activated
Terminal #14	Alarm	Ground activated – 8 second delay
Terminal #15	Park Kill	Ground activated
Terminal #16	Ignition	+12Vdc activated
Terminal # 19	Speaker 11 Ω	100-200 watt
Terminal #20	Speaker 11 Ω	100-200 watt

Microphone Pin Connections

Pin 1	N/C
Pin 2	PTT Hi
Pin 3	Audio Hi
Pin 4	N/C
Pin 5	Audio Low
Pin 6	Audio Out / DC Bias
Pin 7	N/C
Pin 8	PTT Low

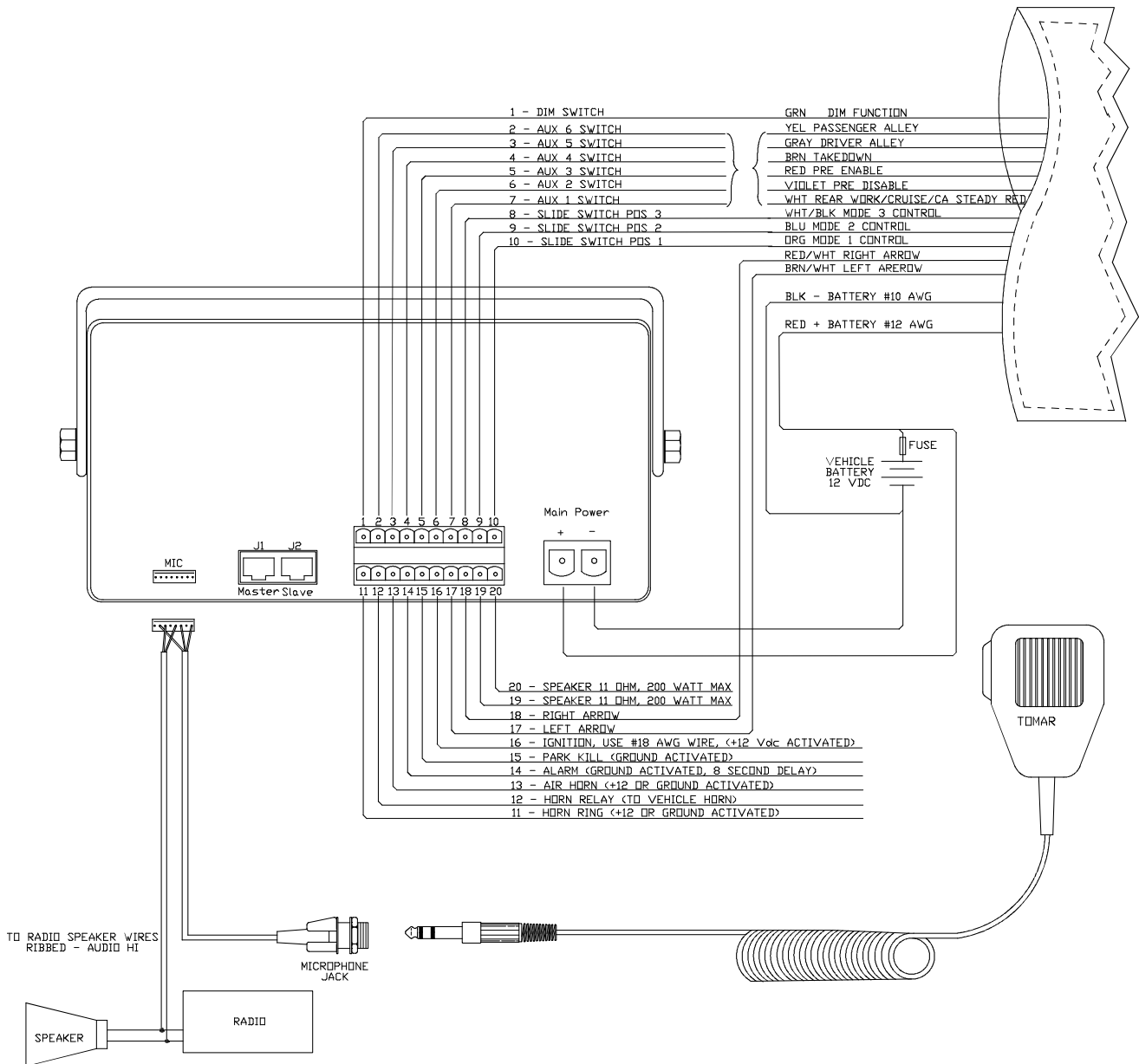
RJ-45 Master – Slave Ports

Master – 948L-DCP control panel

Slave – slave amplifier unit or digitally equipped Tomar Lightbar.



Example: 948L-SIREN-R to 970L LIGHTBAR



Example: 948L-SIREN-R to 970LD LIGHTBAR

