

TOMAR

Instruction Manual



975L-6713 Scorpion Half-Bar

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975L-6713 Wiring

RED	+12Vdc
BLACK	Ground
ORANGE	Warning Mode 1
BLUE	Warning Mode 2
ORANGE & BLUE	Warning Mode 3
RED/WHITE	Right Arrow Mode
BROWN/WHITE	Left Arrow Mode
RED/WHITE & BROWN/WHITE	Center Out Arrow Mode
BROWN	Scene Lights (if equipped)
GREEN	Intensity Control

Programming Instructions

Entering Warning Programming Mode:

Three unique warning patterns can be selected using the ORANGE and BLUE mode selection wires.

ORANGE WIRE = Warning Mode 1

BLUE WIRE = Warning Mode 2

ORANGE & BLUE WIRES = Warning Mode 3

To activate the Warning programming mode, connect the BLACK wire to Ground then simultaneously attach the GREEN wire, the RED wire and the mode selection wire(s) for the mode you want to program to +12Vdc.

Changing Warning Patterns and Flash Rates:

To change the Warning pattern, enter the Warning programming mode as described above, including selecting a mode. Tap the RED/WHITE wire to +12Vdc to advance the flash pattern. See the list of available Warning flash patterns below.

A unique flash rate can be assigned to each Warning mode. To change the flash rate, enter the Warning programming mode as described above, including selecting a mode. Move the GREEN wire from +12Vdc to Ground. Tap the BROWN/WHITE wire to +12Vdc to advance the flash rate. See the list of available flash rates below.

Entering Traffic Direction Programming Mode:

To activate the Traffic Direction programming mode connect the BLACK wire to Ground then simultaneously attach the GREEN wire, RED/WHITE wire and the RED wire to +12Vdc.

Changing Traffic Direction Patterns and Flash Rates:

To change the Traffic Direction pattern, enter the Traffic Direction programming mode as described above. Tap the BROWN wire to +12Vdc to advance the flash pattern. See the list of available Traffic Direction patterns below.

A unique flash rate can be assigned to the Traffic Direction mode. To change the flash rate, enter the Traffic Direction programming mode as described above. Move the GREEN wire from +12Vdc to Ground. Tap the BROWN wire to +12Vdc to advance the flash rate. See the list of available flash rates below.

Flash Rates:

- 1) SINGLE FLASH
- 2) DOUBLE FLASH
- 3) NEOBE FLASH
- 4) SCROLL FLASH - switches between the Single, Double and Neobe flash rates:
for Warning patterns, every 4 seconds
for Traffic Direction patterns, every two cycles of a pattern

Flash Patterns, Warning Modes - Models 6713-01, 6713-01P, 6713-C01

- 1) OFF
- 2) COMBINATION (Patterns 5,4,6,4 repeat) *** ORANGE Wire (Warning Mode 1) DEFAULT, SCROLL FLASH
- 3) INBOARD OUTBOARD *** BLUE Wire (Warning Mode 2) DEFAULT, SCROLL FLASH
- 4) LEFT RIGHT *** ORANGE & BLUE Wires (Warning Mode 3) DEFAULT, SCROLL FLASH
- 5) ALTERNATE
- 6) RANDOM
- 7) SINGLE OUTBOARD
- 8) DOUBLE OUTBOARD
- 9) SINGLE INBOARD
- 10) DOUBLE INBOARD
- 11) TRIPLE INBOARD
- 12) SWEEP

Flash Patterns, Warning Modes - Models 6713-02, 6713-02P, 6713-C02, 6713-C02P

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|--|--------------|--|
| 1) OFF | | |
| 2) COMBINATION (Patterns 6,5,7,5 repeat) | WITH SL's | *** ORANGE Wire (Warning Mode 1) DEFAULT, SCROLL FLASH |
| 3) COMBINATION 2 (Patterns 16,15,17,15 repeat) | WITHOUT SL's | *** BLUE Wire (Warning Mode 2) DEFAULT, SCROLL FLASH |
| 4) INBOARD OUTBOARD | WITH SL's | |
| 5) LEFT RIGHT | WITH SL's | *** ORANGE & BLUE Wires (Warning Mode 3) DEFAULT, SCROLL FLASH |
| 6) ALTERNATE | WITH SL's | |
| 7) RANDOM | WITH SL's | |
| 8) SINGLE OUTBOARD | WITHOUT SL's | |
| 9) DOUBLE OUTBOARD | WITHOUT SL's | |
| 10) SINGLE INBOARD | WITHOUT SL's | |
| 11) DOUBLE INBOARD | WITHOUT SL's | |
| 12) TRIPLE INBOARD | WITHOUT SL's | |
| 13) SWEEP | WITH SL's | |
| 14) INBOARD OUTBOARD | WITHOUT SL's | |
| 15) LEFT RIGHT | WITHOUT SL's | |
| 16) ALTERNATE | WITHOUT SL's | |
| 17) RANDOM | WITHOUT SL's | |
| 18) SWEEP | WITHOUT SL's | |

Flash Patterns, Traffic Direction Modes - Model 6713-01, 6713-01P

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|---|--|
| 1) FULL 12 LED ARROW FILL | *** RED/WHITE and/or BRN/WHITE Wires (all Arrow Modes) DEFAULT, SINGLE FLASH |
| 2) FULL 12 LED ARROW TRAIL | |
| 3) REDUCED 10 LED ARROW FILL | |
| 4) REDUCED 10 LED ARROW TRAIL | |
| 5) REDUCED 10 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) ALTERNATE | |
| 6) REDUCED 10 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) ALTERNATE | |
| 7) REDUCED 10 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY | |
| 8) REDUCED 10 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY | |
| 9) REDUCED 10 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) STEADY | |
| 10) REDUCED 10 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) STEADY | |
| 11) REDUCED 10 LED ARROW FILL with 2 Steady (SINGLE OUTBOARD) | |
| 12) REDUCED 10 LED ARROW TRAIL with 2 Steady (SINGLE OUTBOARD) | |

Flash Patterns, Traffic Direction Modes - Models 6713-02, 6713-02P, 6713-C01

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|--|--|
| 1) FULL 10 LED ARROW FILL | *** RED/WHITE and/or BRN/WHITE Wires (all Arrow Modes) DEFAULT, SINGLE FLASH |
| 2) FULL 10 LED ARROW TRAIL | |
| 3) REDUCED 8 LED ARROW FILL | |
| 4) REDUCED 8 LED ARROW TRAIL | |
| 5) REDUCED 8 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) ALTERNATE | |
| 6) REDUCED 8 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) ALTERNATE | |
| 7) REDUCED 8 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY | |
| 8) REDUCED 8 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY | |
| 9) REDUCED 8 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) STEADY | |
| 10) REDUCED 8 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) STEADY | |
| 11) REDUCED 8 LED ARROW FILL with 2 Steady (SINGLE OUTBOARD) | |
| 12) REDUCED 8 LED ARROW TRAIL with 2 Steady (SINGLE OUTBOARD) | |

Flash Patterns, Traffic Direction Modes - Model 6713-C02, 6713-C02P

- 1) FULL 8 LED ARROW FILL *** RED/WHITE and/or BRN/WHITE Wires (all Arrow Modes) DEFAULT, SINGLE FLASH
 - 2) FULL 8 LED ARROW TRAIL
 - 3) REDUCED 6 LED ARROW FILL
 - 4) REDUCED 6 LED ARROW TRAIL
 - 5) REDUCED 6 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) ALTERNATE
 - 6) REDUCED 6 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) ALTERNATE
 - 7) REDUCED 6 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY
 - 8) REDUCED 6 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) SIMULTANEOUSLY
 - 9) REDUCED 6 LED ARROW FILL with 2 Warning (SINGLE OUTBOARD) STEADY
 - 10) REDUCED 6 LED ARROW TRAIL with 2 Warning (SINGLE OUTBOARD) STEADY
 - 11) REDUCED 6 LED ARROW FILL with 2 Steady (SINGLE OUTBOARD)
 - 12) REDUCED 6 LED ARROW TRAIL with 2 Steady (SINGLE OUTBOARD)
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