TOMAR

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RECT-14LS-xx, RECT-16LS-xx and RECT-16LSV-xx 4-wire Mini LED Series Operational and Programming Instructions

The TOMAR iLED™ Mini RECT-14LS-xx, RECT-16LS-xx and RECT-16LSV-xx 4-wire series LED warning lamps feature 55 programmable flash rates and can be synchronized with any of the TOMAR iLED™ family of LED warning lamps. (xx = LED colors)

TORQUE NOTE: Max Torque 6 in-lbs. Use torque-controlled driver or wrench when installing lamp.

Wires and Functions
RED	+12VDC/+24VDC
BLACK	Connect to chassis GROUND
YELLOW	Sync/Enter Programming Mode/Pattern Select
BLUE	Secondary Mode

Electrical

Input Voltage   +12VDC/+24VDC
Installation to be completed with wire rated for 125% of amperage draw.
2.5 amp in-line fuse recommended.

Current draw: In steady-burn mode

	+12VDC	+24VDC
RECT-14	0.55 amps	0.30 amps
RECT-16	0.76 amps	0.41 amps

Selecting Flash Pattern: Primary Mode (YELLOW wire)

Apply +12VDC/+24VDC to the YELLOW wire and RED power wire at the same time. All LEDs will flash 3 times to indicate you have entered programming mode.
Remove the YELLOW wire from +12VDC/+24VDC.
Short (TAP) the YELLOW programming wire to select the Primary flash pattern.
Note: After the unit flashes 3 times, the existing programmed Primary flash pattern will appear.

CYCLE FORWARD:
Intermittently short (TAP) the YELLOW wire once to +12VDC/+24VDC, then release.
Repeat until the desired flash rate is selected.

CYCLE BACKWARD:
Intermittently short (TAP) the YELLOW wire twice to +12VDC/+24VDC in less than one second.
Repeat until the desired flash rate is selected.

To RESET to flash rate #1 (Factory Default) and set for DIM flash mode:
While still in programming mode, apply +12VDC/+24VDC to YELLOW wire. Hold for approximately 3 seconds. All LEDs will flash 2 times. Release the YELLOW wire to indicate you have reset the unit to flash rate #1 (factory default for Primary mode).

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Note: If unit was in normal brightness mode, the unit will now be in Dim mode.
Repeat above to place unit back into normal brightness mode.

OPERATING MODE:
Disconnect YELLOW wire from power.
Restore power to unit, RED wire only.
Unit will now be in normal operation mode.
Note: In normal operation mode, do not connect the YELLOW wire to power or ground.

Selecting Flash Pattern: Secondary Mode (BLUE + YELLOW wire)

Apply +12VDC/+24VDC to the BLUE wire, YELLOW wire and RED power wire at the same time. All LEDs will flash 4 times to indicate you have entered programming mode.
Remove the YELLOW wire from +12VDC/+24VDC. Leave the BLUE wire connected to +12VDC/+24VDC.
Short (TAP) the YELLOW programming wire to select the Secondary flash pattern.
Note: After the unit flashes 4 times, the existing programmed Secondary flash pattern will appear.

CYCLE FORWARD:
Intermittently short (TAP) the YELLOW wire once to +12VDC/+24VDC, then release.
Repeat until the desired flash rate is selected.

CYCLE BACKWARD:
Intermittently short (TAP) the YELLOW wire twice to +12VDC/+24VDC in less than one second.
Repeat until the desired flash rate is selected.

To RESET to flash rate #7 (Factory Default) and SET for DIM flash mode:
While still in programming mode, apply +12VDC/+24VDC to YELLOW wire. Hold for approximately 3 seconds. All LEDs will flash 2 times. Release the YELLOW wire to indicate you have reset the unit to flash rate # 7 (factory default for Secondary mode).
Note: If unit was in normal brightness mode, the unit will now be in Dim mode.
Repeat above to place unit back into normal brightness mode.

OPERATING MODE:
Disconnect BLUE wire and YELLOW wire from power.
Restore power to unit, RED wire only.
Unit will now be in normal operation mode.
Note: In normal operation mode, do not connect the YELLOW or BLUE wire to power or ground.