

TOMAR

Operational & Programming **Instructions Manual**



RECT-25

Low Profile LED Series
with Programmable Internal Flasher

ISO480-02
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The TOMAR iLED™ Low Profile RECT-25 series LED warning lamps feature 20 programmable flash rates and can be synchronized with any of the TOMAR iLED™ family of LED warning lamps.

Wires

Red	+12VDC to activate
Black	Connect to chassis GROUND
White	Flash Pattern Selection & Sync Line

Electrical

Input Voltage 12VDC thru 28VDC

Complete installation with wire rated for 125% of amperage draw.

5 amp in-line fuse recommended.

WARNING: DO NOT SEAL TOMAR LED LAMPS OR SEAL THE LED LAMP TO THE VEHICLE MOUNTING SURFACE! DOING SO WILL PREVENT WATER DRAINAGE AND VOID THE LAMP WARRANTY.

Current Draw - in Steady burn Mode @ 12VDC

High Power Model	1.6 Amps Average
Standard Power Model	1.2 Amps Average
Low Current Model	0.8 Amps Average

Selecting Flash Rate

Apply the **White** wire to +12vdc and turn the unit on. Continue to apply +12vdc to the **White** wire for at least 2 seconds. All LEDs will flash 3 times to indicate you have entered flash rate selection mode. While maintaining power, remove the **White** wire from +12vdc and the unit will operate in the currently selected flash rate.

Cycle Forward

Intermittently apply the **White** wire once to +12vdc then release.
Repeat until the desired flash rate is selected.

Cycle Backward

Intermittently apply the **White** wire twice to +12vdc in less than one second.
Repeat until the desired flash rate is selected.

To Reset to Flash Rate #1

Apply +12vdc to the **White** wire for at least 3 seconds then release. All LEDs will flash 2 times to indicate that you have reset the flash rate selection to rate # 1.

Synchronizing iLED™ Warning Lamps

To synchronize, first select a flash rate. For alternating lamps, program each lamp to the same flash rate with the opposite phase. Alternating lamp example: Rates #1 & #8.

For simultaneous lamps, program each lamp to the same flash rate with the same phase. Simultaneous lamp example: Rates #1 & #1.

Unpredictable results will occur if synchronized lamps have different flash rates selected. Connect the synchronization wires of up to 10 iLED lamps. The RECT-79 lamps are equivalent to 2 lamp units, when determining the number of lamps to synchronize. Do not exceed 100 feet of wire between the furthest synchronized units. For best results connect the **Black** lead to Chassis GROUND.

Selectable Flash Patterns

1. Neobe 150 FPM [Phase 0] (Factory Setting)
2. Neobe 75 FPM [Phase 0]
3. Double flash 250 FPM [Phase 0]
4. Double flash 125 FPM [Phase 0]
5. Single flash 375 FPM [Phase 0]
6. Single flash 150 FPM [Phase 0]
7. Single flash 75 FPM [Phase 0]
8. Neobe 150 FPM [Phase 1]
9. Neobe 75 FPM [Phase 1]
10. Double flash 250 FPM [Phase 1]
11. Double flash 125 FPM [Phase 1]
12. Single flash 375 FPM [Phase 1]
13. Single flash 150 FPM [Phase 1]
14. Single flash 75 FPM [Phase 1]
15. Steady burn
16. Multi flash 1 (Rate 1, 3, 5, 1) [Phase 0]
17. Multi flash 2 (Rate 2, 4, 6, 7) [Phase 0]
18. Multi flash 1 (Rate 8, 10, 12, 8) [Phase 1]
19. Multi flash 2 (Rate 9, 11, 13, 14) [Phase 1]
20. Demo Mode (Sequences through #1 - #15)