iLED™

TOMAR

TOMAR Intelligent LED Series
RECT-13LS
LED with programmable internal FLASHER
INSTRUCTION SHEET

TOMAR iLED™ series LED warning lamps. Feature 20 programmable flash rates, synchronization.

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

WIRES
RED   +12VDC or +24VDC to activate
BLACK   Connect to Chassis GROUND
WHITE   Flash Pattern Selection & Sync Line

ELECTRICAL
Input Voltage: +12VDC or +24VDC operation
Complete installation with wire rated for 125% of amperage draw

CURRENT DRAW - in Steadyburn Mode @ 12vdc
0.4 Amps

SELECTING FLASH RATE
With the WHITE wire shorted to +VDC, turn the unit on. Continue to apply +VDC 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 +VDC and the unit will operate in the currently selected flash rate.

CYCLE FORWARD
Intermittently short the WHITE wire once to +VDC then release.
Repeat until the desired flash rate is selected.

CYCLE BACKWARD
Intermittently short the WHITE wire twice to +VDC in less than one second.
Repeat until the desired flash rate is selected.

TO RESET TO FLASH RATE #1
Apply +VDC 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.

SYNCHRONIZE 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 SYNC wires of up to qty 10 synchronized 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.

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SELECTABLE FLASH PATTERNS

1. Neobe 150 FPM [Phase 0] (Factory Default)
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)