

TOMAR

iLED™

IS0476-00
06-14-2005

TOMAR Intelligent LED Series RECT-34 / PAR-36

LED with programmable internal FLASHER
INSTRUCTION SHEET

TOMAR iLED™ series LED warning lamps. Feature 20 programmable flash rates, synchronization and are available in Rect-34LWS and PAR-36LWS series.

WIRES

RED +12VDC to activate
BLACK Connect to Chassis GROUND
YELLOW Flash Pattern Selection & Sync Line

ELECTRICAL

Input Voltage: 12VDC thru 28VDC
Complete installation with wire rated for 125% of amperage draw

WARNING: Do not seal TOMAR LED Lamps. Do not seal the LED lamp to the vehicle mounting surface. Doing so will prevent water drainage and void the lamps warranty.

CURRENT DRAW - in Steadyburn Mode @ 12vdc
0.45 Arnps

SELECTING FLASH RATE

With the YELLOW wire shorted to +12vdc, turn the unit on. Continue to apply +12vdc to the YELLOW 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 YELLOW wire from +12vdc and the unit will operate in the currently selected flash rate.

CYCLE FORWARD

Intermittently short the YELLOW wire once to +12vdc then release.
Repeat until the desired flash rate is selected.

CYCLE BACKWARD

Intermittently short the YELLOW 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 YELLOW 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 YELLOW 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.

TOMAR Electronics, Inc.

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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)

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