

**TOMAR MODEL
HF-1 HEADLIGHT FLASHER
INSTRUCTION SHEET**

ISO473-00
04-05-2005

SAFETY NOTICES WARNING

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

**SAFETY MESSAGE TO INSTALLERS, USERS,
AND MAINTENANCE PERSONNEL**

It is important to follow all instructions shipped with this product. This power supply is to be installed by a trained installer who is thoroughly familiar with electrical wiring techniques, including manufacturers guidelines for mobile vehicular applications, the national electrical code and local codes.

**ONLY to be used on vehicles with POSITIVE
switched Headlights.**

DO NOT connect to the brake light circuit of any vehicle. Doing so may disable the shift interlock and cause the vehicle to malfunction or cause the vehicle to unexpectedly to move forward which may result in property damage, injury or death. DO NOT use this device to flash a vehicles (CHMSL) center high mounted stop lamp.

The selection of the mounting location for this device, its controls and the routing of the wiring is to be accomplished under the direction of the engineer in charge.

Review the vehicles wiring diagram for any aftermarket installation. Insure that your installation will not effect the vehicle operation or any mandated safety functions or circuits. ALWAYS verify that the vehicle operates properly after installation.

DO NOT install the Tomar HF-1 Headlight Flasher on a 1999 and later Dodge Dakota or Dodge Durango. Doing so may cause permanent damage to the vehicles electrical system.

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Control Wiring

Red	+12 to 28 VDC
Black	Ground
Yellow	Output Lamp 1 (10 Amps MAX)
White	Output Lamp 2 (10 Amps MAX)
Orange	+VDC Activate Mode 1
Wht/Blk	+VDC Activate Mode 2
Blue	+VDC Nighttime Cutoff

If the **Nighttime Cutoff** feature is to be used, connect the BLUE wire to a parking light wire. **DO NOT CONNECT TO THE LOW BEAM WIRE.** If feature is unused - connect the BLUE wire to Ground.

Features 3 Flash Modes

Mode 1 - Org	114 FPM Alternating
Mode 2 - Wht/Blk	159 FPM Alternating
Mode 3 - Org & Wht/Blk	Cycle 4 Seconds each; 159 FPM Alternating 159 FPM Simultaneous

HF-1 HEADLIGHT FLASHER WARRANTY

TOMAR Electronics, Inc. warrants the product described herein for a period of 2 years under normal use and service from the date of manufacture as marked on the product, that the product will be free of defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser connecting the unit to the wrong voltage or polarity, or lightning damage.

THERE IS NO WARRANTY OF MERCHANTABILITY; THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. THERE ARE NO WARRANTIES EXPRESSED OR IMPLIED OR ANY AFFIRMATION OF FACT OR REPRESENTATION EXCEPT AS SET FORTH HEREIN.

TOMAR Electronics' sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at TOMAR's option, of a part or parts not so conforming to the warranty. All products requiring warranty service shall be returned to TOMAR within 2 years of manufacture, shipping prepaid. TOMAR will return repaired or replaced products to the purchaser via prepaid ground transportation. In no event shall TOMAR be liable for damages of any nature, including incidental or consequential damages, including but not limited to any damages resulting from non-conformity, defect in material or workmanship.

