Vision X Tremor XD High Output LED Beacon Instruction Manual

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Contents

⚠ WARNING

Read carefully and understand all instructions before operating.

- It is not recommended to use magnetically mounted warning devices on the outside of a vehicle in motion. Usage is at the sole risk and responsibility of the user.
- Risk of electrical shock; do not use in an environment with gas, combustible or explosive materials, or hot objects.
- Do not open, repair or modify.
- Use only under the recommended voltage and frequency requirements.
- Do not look directly at the light, as this will result in dazzling.
- Minimum distance from lighted objects 0.1 m.
- The specification in this manual is based on standard lab testing, different environments may influence the data.
- **California Proposition 65 Warning**: This product contains chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.
  For more information, please visit **www.P65Warnings.ca.gov**

FEATURE

SAE CLASS 1   CISPR 25 CLASS 3   TITLE 13 CA. APPROVED   ECE R10 APPROVED   MIL SPEC VIBRATION RATED
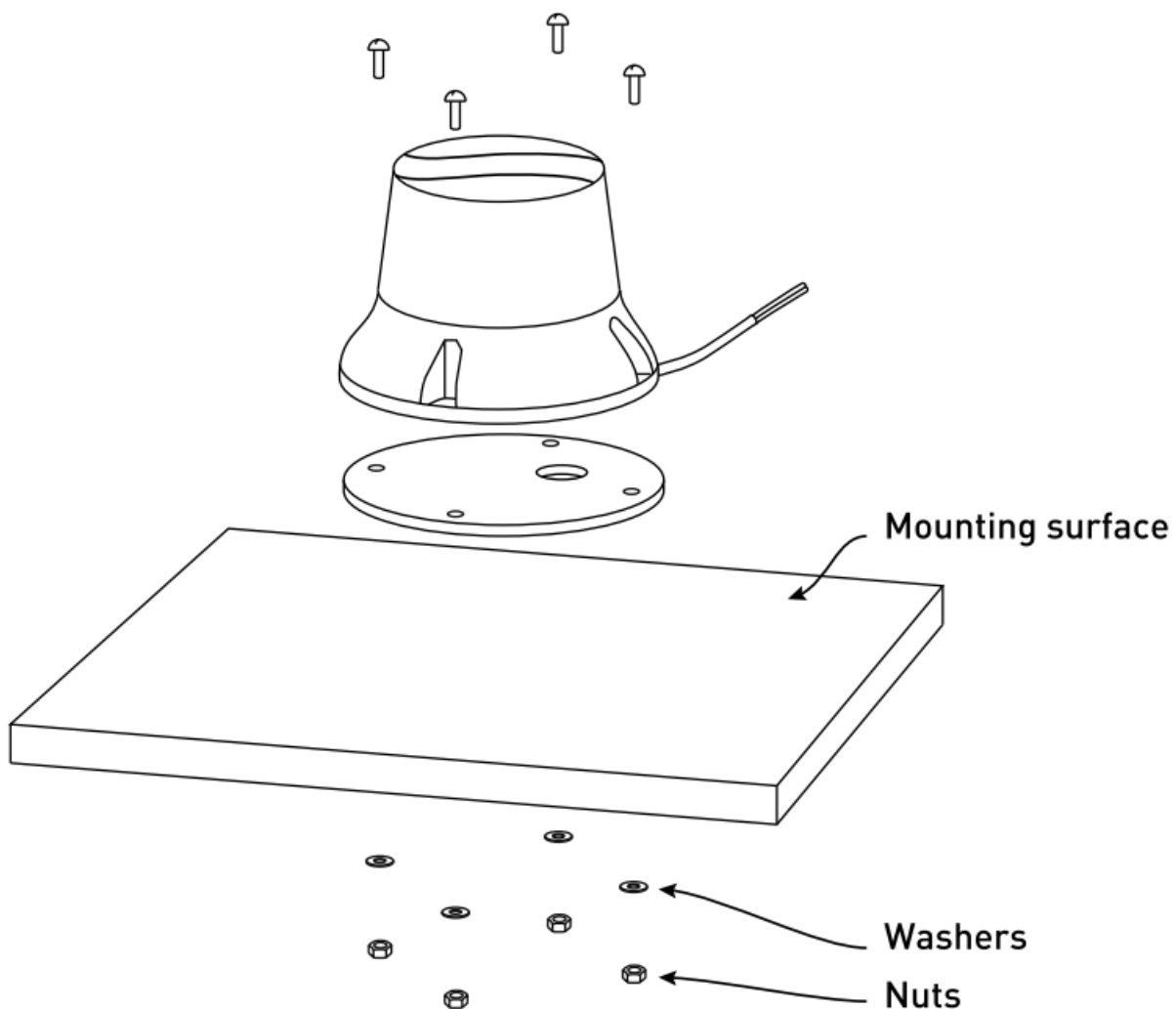
FEATURES

- Tough diecast aluminium housing and virtually unbreakable polycarbonate lens.
- Ambient light sensor for Day/Night mode.
- 9-80V multi-volt DC input to suit most applications.

- Flash synchronisation of multiple beacons.
- Virtually unbreakable polycarbonate lens and base.
- SAE and EGE approved.

INSTALLATION

1. Prepare a suitable area on the vehicle's surface by wiping it clean to prevent scratching.
2. Drill a 10mm (3/s") hole into the surface for the wires to exit through for connection to a power source. Alternatively, the wires can be directed through the side of lamp's base for connection to a power source.
3. Using the lamp as a template, drill four 4.7mm (6/16 11) holes for fitment and secure to the surface using the supplied mounting bolts. A mounting pad is included and can be installed between the surface and the lamp.
4. Route the wires as planned in step 2. Connect the red(+) wire to 9-80VDC and the black(-) wire to ground. Test.

Mounting surface

Washers

Nuts

WIRING

RED: To 9-80V DC(+)
BLACK: To chassis/ ground(-)
YELLOW: Flash pattern selection
WHITE: Synchronisation
GREY: Ambient light sensor override(+)

WIRING DIAGRAM

Power switch   Red   Gnd Black

Red

Black

+   −
Battery

Grey (manual low power switch)

Optional

Yellow − (pattern switch)

Momentary switch

White (sync function) Connect to white of other strobe/s

FLASH PATTERNS

> > > > ROTATING > > > >
ROTATOR (Default) (SAE / ECE)

QUINT FLASH

> > ROTATING > > ||||| |||||
ROTATOR QUINT FLASH

ULTRA FLASH

SINGLE FLASH (SAE)

STEADY ON

ADJUSTING FLASH PATTERN

1. Touch the yellow wire to positive power for less than 1 second to move to the next pattern.
2. If the operator desires to change the pattern after installation this can be achieved by adding an extra switch or using a 3 position switch (Off/On/Mom On)
3. To synchronize patterns (cannot be done over 48V) connect the white wires of each strobe together.

AMBIENT LIGHT SENSOR FUNCTION

The ambient light sensor dims the strobe to 20% of full output. This can be overridden if a switch is wired to the Grey Wire.
Switch one time for Low Power, touch again for high power. Once the wire is used the sensor is disabled. To reactivate the sensor turn the beacon off and on again. See full wiring diagram above.

SPECIFICATIONS

LED	8x5W	Width	125mm / 4.92″
Housing Material	Aluminium Base	**Height**	91mm / 3.58″
Lens Material	Polycarbonate	**Depth**	125mm / 4.92″
Mounting	4-Bolt Flange	**PCD**	111.5mm / 4.39″
Operating Temp.	-22°F – 176°F (-30°C – + 80°C)	**Shock/Vibration**	ISO 16750-3, MIL-STD-81OG
Voltage	9-80V DC	**Approvals**	CE, ROHS, REACH
Wattage (W)	40W	**IP Rating**	IP-67, IP-69k
Amperage	2A@12V	**ECE Ratings**	ECE R65, ECE R10
Weight	0.6kg / 1.31bs	**EMC Approval**	CISPR25 Class 3
		SAE Compliance	J845 Class 1, W3-1

WARRANTY TERMS & CONDITIONS:

8. If a product is deemed not covered under warranty, customer will be responsible for the return shipping charges.
9. Items not covered under warranty can be repaired at the customer's expense for parts and labor, at the discretion of Vision X Lighting, who will provide an estimated repair cost before proceeding with the repair.

CUSTOMER SUPPORT

Distributed by:
Vision X Lighting
1601 Boundary Blvd.
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For more info visit
www.visionxusa.com

Documents / Resources

Vision X Tremor XD High Output LED Beacon [pdf] Instruction Manual
TREM-85250, Tremor XD High Output LED Beacon, Tremor XD, Tremor XD LED Beacon, High Output LED Beacon, Output LED Beacon, Output Beacon, LED Beacon, Beacon