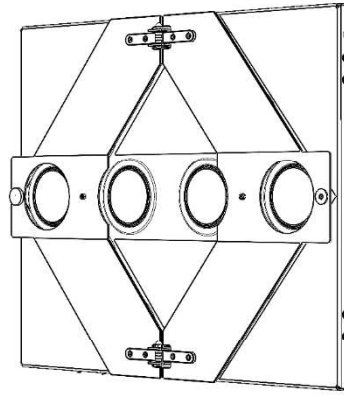




55010 TC12 Traffic Utility Arrow

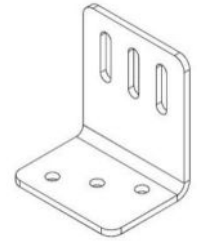
The following is a list of recommended practices for the installation and operation of your TC12.

FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY AND/OR DEATH TO YOU AND YOUR PASSENGERS

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures. You may need to consult a professional for installation.
- SWS Warning Systems Inc. recommends the use of waterproof butt splices and/or connectors for all electrical connections. It is recommended that the use of good dielectric grease be used on all connections where possible.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Also de-burr the holes and remove any metal shards or remnants. Grommets are recommended for all wire holes.
- Do not mount the TC12 close to antennae or radio equipment, as they may cause electromagnetic interference. After installation of the TC12, it is necessary to test all electronic equipment simultaneously to ensure that they operate free of interference from other components within the vehicle.
- Never power emergency warning equipment from the same circuit or share the same grounding circuit with radio communication equipment.
- Do not install this product or route any wires in the deployment area of your air bag or areas that interfere with the operation of the vehicle. Refer to your vehicle owner's manual for the air bag deployment area and recommended mounting areas for warning lights and other equipment.
- Do not attempt to activate or control the device with the vehicle in motion or in a hazardous driving environment. The vehicle should be stopped and in park before control of the TC12 is attempted.
- Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the product. Use of other chemicals could result in degradation and discolouration of the lens/dome.
- Do not use a pressure washer to clean this product.
- Inspect and operate this product regularly to confirm its proper operation and mounting condition.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- SWS Warning Systems Inc. and its subsidiaries are not responsible for any damages due to improperly mounted or improperly wired lighting equipment.

Mounting

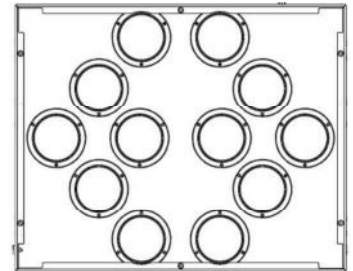
NOTE: The installation of this Arrow Board requires that all mounting bolts are installed and secure before the arrow is allowed to hang unsupported.



*Select a surface where the TC12 is visible and free of obstruction.
Mounting brackets are available from the manufacturer if required.*

- A straight level is highly recommended to ensure the TC12 light is level on two axes.
- Ensure the vehicle is on level ground when installing.

Locate the four sets of ¼-20 mounting locations on the vertical sides of the frame and use them to mount your TC12 as you see fit.



Wiring

Switch Connections

Extension Cables are available from the manufacturer if required.

Wire Lead Colour	Function	Connection
Red	Power	Connect to Ignition Switch or 12Vdc Positive Switch
Black	Ground	Connect to Vehicle Ground
White		Not Used

Function

- Applying positive power to the control wire (Red), will enable the 12 lights to flash in sequence, (60Hz) or 1 flash per second.
- The lights will AutoDim automatically, using the light sensor mounted on the top of the unit.

Troubleshooting

If your light fails to work, please follow these troubleshooting tips before calling the factory:

- Check all connections for breakage or corrosion.
- Check to see if the fuse has blown within the vehicle. If it has, replace with a fuse of the exact same amp rating.
- For long power wire lengths, ensure the voltage at the light connection is adequate. If not, you may have to shorten the length or increase the wire gauge.
- Ensure vehicle's battery is charged and that the charging system is functional.
- If the light fails to come out of AutoDim, be sure the top of light sensor is clear of debris.

CALL SWS (1-877-357-0222) FOR FURTHER ASSISTANCE