



**GENERAL NOTES:**

TC14 traffic controllers are designed for standard vehicle traffic where the maximum axle load is less than 22,000 pounds and the tires are low pressure pneumatic.

**IMPORTANT CONSIDERATIONS\***

1. The maximum vehicle crossing speed must be 5 MPH or less.
  - Speeds above 5 MPH across the controller can result in tread or sidewall damage.
  - Speed can be controlled by properly designed speed bumps, signs, stop/go signals, etc.
2. Traffic must cross the controller at 90 degrees.
  - Crossing the controller at other than 90 degrees or turning directly over a controller can cause damage to the tread or sidewalls of vehicle tires.
  - Proper selection and placement of the controller or the use of boundary posts, curbs, etc. can prevent turning or crossing at other than 90 degrees.
3. Traffic controllers should be located in a flat section of the roadway where there is a minimal possibility that surface water will drain into the unit.
  - Surface water draining into a controller can carry debris and trash that will potentially limit or restrict free actuation of the unit.
  - Raising the controller slightly above the adjacent roadway can help this situation.
4. Pedestrians access to the area around the controller as well as the path of vehicles must be tightly limited.
  - Proper site selection, cautionary signs, pedestrian barriers, raised walls, etc. are some of the means of limiting pedestrian access to the area of a controller.
5. Where there is nighttime vehicle or pedestrian traffic, or where visibility is limited ~ safety or auxiliary lighting should be provided.
6. After installation ~ a program of periodic inspection of the unit should be undertaken.
  - Important in the proper continued operation includes checking and clearing debris that might have accumulated in the unit.
  - Check to insure that water entering the unit is free to drain through the gravel bed.
  - During the first 60 days of operation ~ weekly inspection should be conducted. Thereafter, monthly or as needed.

**Debris buildup within the body of the traffic controller can restrict the free movement of the teeth and result in tread or sidewall damage.**

7. Delta Scientific Corporation cannot warranty traffic control products if installed, operated or maintained outside the limitations noted herein. Specifically, locating a traffic controller where traffic is crossing at an angle other than 90 degrees, where a wide turn is possible, where vehicle speeds are greater than 5 MPH, or where a traffic controller is improperly maintained invalidates any warranty implied or real.
8. Delta Scientific Corporation will be pleased to answer any general questions concerning the installation or maintenance of traffic controller, however; we are unable to provide technical recommendations concerning the design of foundations, roadways, placement of controllers, vehicle traffic routing, traffic pattern design, matters relating to pedestrian safety, lighting or other safety matters. We recommended that you consult the appropriate independent engineer, architect or consultant for assistance in these matters.

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**SABRE TOOTH TRAFFIC CONTROLLER  
MODEL TC14 INSTALLATION & OPERATING INFORMATION**

DRWN BY R.ROBREDO	DATE 1-20-00	DRAWING NO. <b>8022-1 &amp; 2</b>	REV. —
CHKD BY	DATE	SCALE: N.T.S.	SHEET 1 OF 1
APPVD BY	DATE		

8022-1

8022-2