



TraffiCard

The ITS Solution for Precision Traffic Monitoring and Special Control Functions

Description

TraffiCard is a plug-in device that works in conjunction with traffic sensing devices such as loop or video detectors. It connects to up to four detection outputs and records the exact time and duration of each vehicle passage. Additionally, it is able to use the signals it senses to perform auxiliary functions such as speed and length measurement. TraffiCard has two outputs which can be used to signal other equipment when over-speed and/or over-length vehicles are present (TooFast) or when a vehicle's presence exceeds a user-settable time period (TooLong).

Installation of TraffiCard is simple. Simply plug it into any card rack slot configured for a two or four channel vehicle detector card. It is designed to accept power from the rack on the normal detector power pins. Inputs to the TraffiCard are provided on normal loop input pins. Outputs from the TraffiCard are provided on the normal output pins.

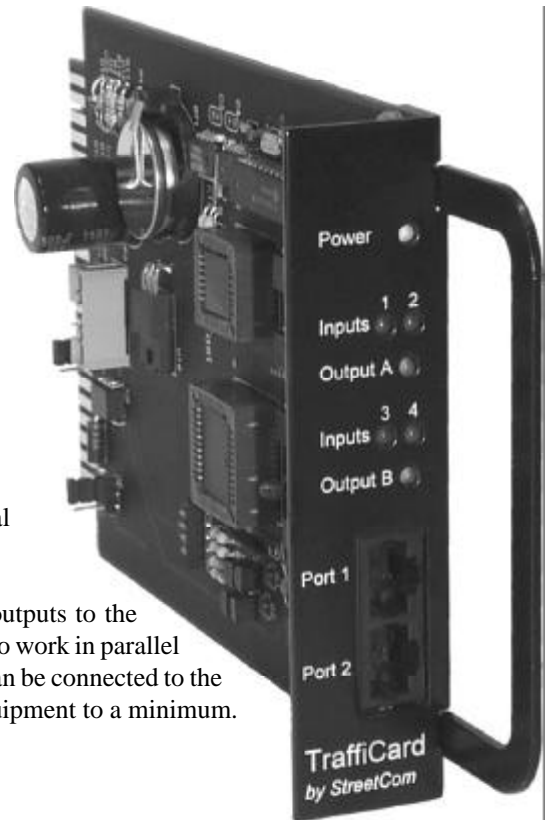
Every effort has been made to make the connection of detector outputs to the TraffiCard inputs easy. The TraffiCard inputs have been designed to work in parallel with controller inputs so that both the TraffiCard and a controller can be connected to the same detector outputs. This keeps duplication of the detection equipment to a minimum.

To provide for easy wiring, TraffiCard allows:

1. wiring the rack to provide connections, or
2. using the optional QuikIN "edge connector adapter" that jumpers the appropriate signals from a detector in any slot to TraffiCard, or placing the TraffiCard to the right of a detector in a cross-wired rack and placing jumpers J1 & J2 in the position closest to the board center.

Features

- Stores exact time and duration of passage of approximately 100,000 vehicles
- Intelligently stores data for each vehicle - provides limitless usage for studies, analysis, integration, etc.
- Four Inputs
- Two Outputs
- Indicators for power, inputs and outputs
- Real Time Clock (with battery back-up)
- Calculates vehicle speed and length
- Outputs can be triggered by over speed and/or over length vehicle passage
- Outputs can be triggered by vehicles that are over a loop "Too Long" - great for queue applications
- Two RS-232 communications ports
- Optional QuikIN "edge connector adapter" for jumping detector outputs from any detector to TraffiCard inputs
- Jumpers for routing an adjacent detector's outputs to inputs 3 & 4 for cross-wired racks
- A Notes Log for recording changes, notes and observations into a device
- Complete Windows-based TraffiCard configuration software package (TC CONFIG)
- Complete Windows-based software for automatic collection of TraffiCard data and database storage for user application & integration purposes (TC POLLER)



Edge Connector Pinout

Pin	Function
A	Ground (power)
B	12-24VDC (power)
C	
D	Input 1
E	Input 2
F	Out 1 +
H	Out 1 -
J	Input 3
K	Input 4
L	
M	
N	
P	
R	
S	
T	
U	
V	
W	Out 2 +
X	Out 2 -
Y	
Z	

Connector P2 Pinout

Pin	Function
1	Ground
2	
3	Input 1
4	Input 3
5	Input 2
6	Input 4
7	Out 1 +
8	Out 2 +
9	Out 1 -
10	Out 2 -

QuikIN Adapter Connector

The QuikIN Edge Adapter Connector is an option that allows the TrafficCard unit to accept detection inputs directly from an adjacent card rack vehicle loop detector.

Front Panel RS-232 Ports

Port 1 (Upper Connector)

- Laptop port for on-site configuration

Port 2 (Lower Connector)

- System Communications Port

Specifications

Environmental

- Temperature
-40C to 80C
- Humidity
0 to 95% RH

Electrical

- 12-24VDC
- < 250 milliamps

Physical

- Card Size
Same as two channel loop detectors
Fits STD racks, 1" wide face plate

Voice 800-374-8805
256-353-7863
Facsimile 256-309-0055
Email streetcom@aol.com

Operational

- Stores data for up to 100,000 vehicles
- Front panel LEDs
- 1/1000th of a second time recording accuracy