DS-TMG022 Vehicle Detector

Introduction

DS-TMG022 is a 2-ch loop-based digital vehicle detector. The device is designed with high reliability, and equipped with high performance microprocessor and channel sequence scanning technology. With functions of frequency self-adaption and full environment tracking, the device can track passing vehicles in a fast, effective and accurate way. The device integrates standard vehicle counting algorithm, and can be widely deployed in entrance/exit systems with traffic cameras.

Features and Functions

- 2 inputs of inductive loops
- Recognizes vehicles of more than two wheels
- Provides traffic statistics including traffic flow, speed and length
- Detects traffic events including forward/wrong-way driving and speeding
- Built-in EEPROM for saving configuration parameters in power cut
- Accepts traffic lights connection to upload light status
- Fault detection to output operating status of loops and traffic light detector
- Voltage surge protection

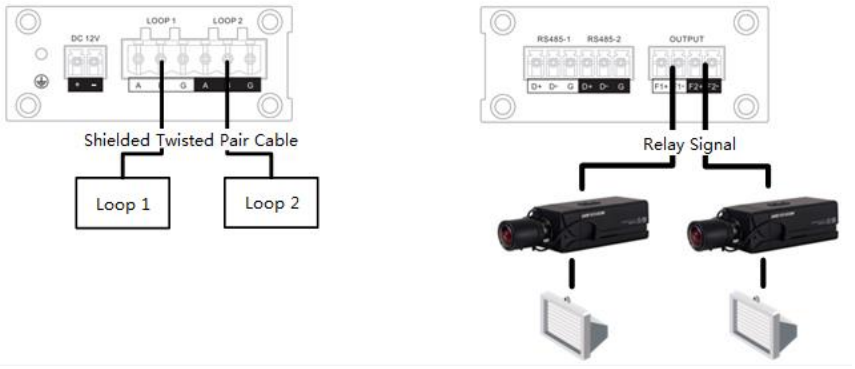
Available Models

DS-TMG022

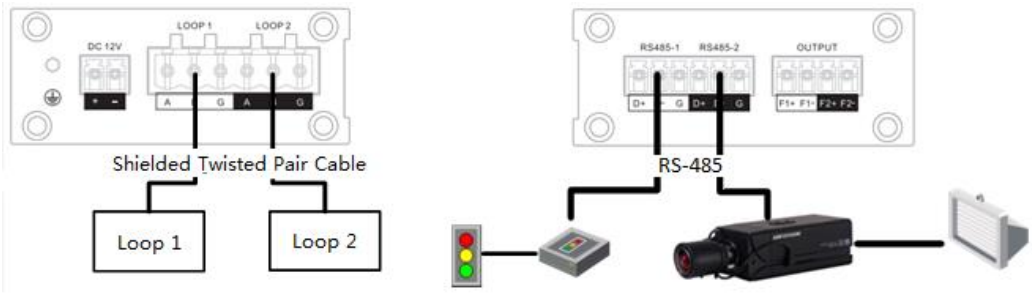
Specifications

Model	DS-TMG022
Inductance self-tuning range	20 to 1000 μH
Vehicle detection rate	≥ 99%
Sensitivity (-△L/L)	0.02% to 0.96%, 4 levels adjustable
Loop operating frequency	28 KHz to 120 KHz, 4 levels adjustable (highest, high, low, lowest)
Max. response time	32±2ms
Loop fault recovery time	≤ 100ms
Loop fault detection interval	≤ 10ms
Output port	2 relay output, VDRM 70 V, max. current 30 mA
Power supply	220 VAC
Power consumption	≤ 3 W
Operating temperature	-30 °C to +70 °C (-31 °F to 167 °F)
Operating humidity	< 90%, non-condensing
Dimensions	105 × 88 × 40mm

Typical Application



Relay Signal Application 1



Relay Signal Application 2