

# Quick Reference Guide for TDC3 & TDC4 Detector Installation

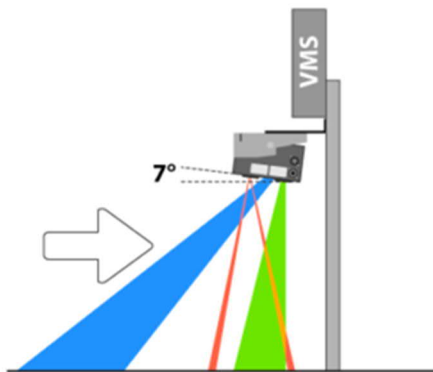
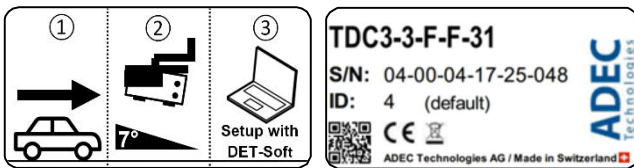
The following instructions must be closely followed to ensure optimal performance!

## 1. Detector Mounting Location

Detector **in front** of the gantry

Models: TDC3-~~X~~-F-F-31

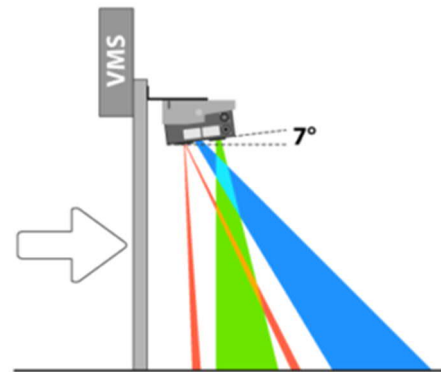
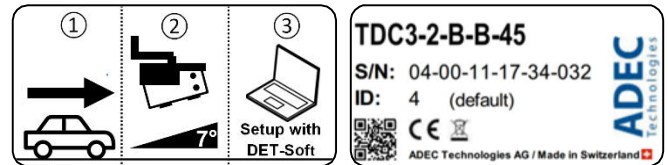
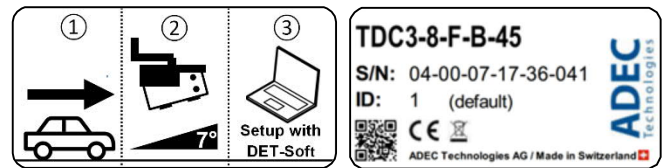
Inclination +7°



Detector **behind** the gantry

Models: TDC3-~~X~~-F-B-45 / TDC3-2-B-B-XX

Inclination -7°



**Important:** Detector must have unobstructed view with **all** sensors!

- Detector model fits mounting location
- Detector is properly aligned and all sensors have unobstructed view onto the road

## 2. Wiring

Device Plug



Pin

Label

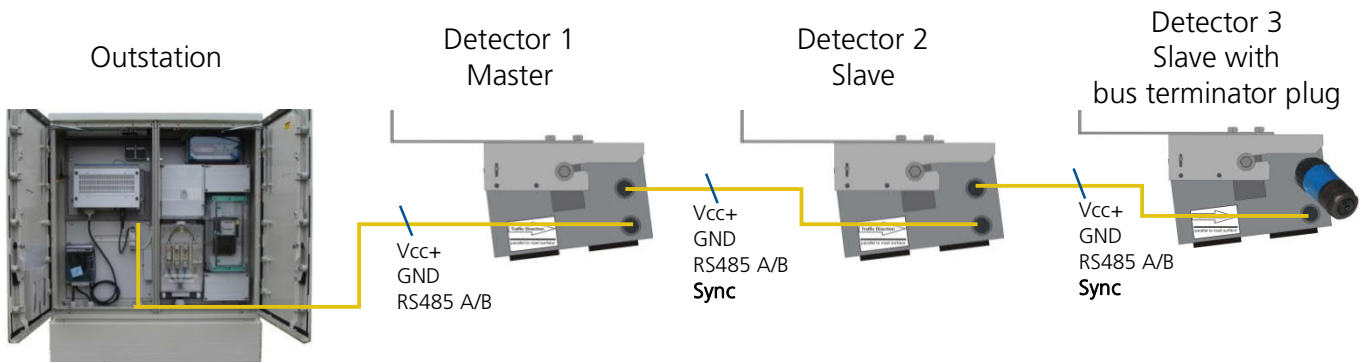
Pin

1	Supply, Vcc +	1
2	Trigger (optional)	2
3	GND	3
4	Sync	4
5	RS485 Signal A	5
6	RS485 Signal B	6

Device Receptacle



## Example: Section with 3 detectors



- Supply voltage at all detectors is within permitted range of 10.5 – 30 V DC
- All detectors wired according to wiring guidelines

## 3. Commissioning

Vcc+  
GND  
RS485

Vcc+  
GND  
RS485 A/B

Vcc+  
GND  
RS485 A/B  
Sync

Vcc+  
GND  
RS485 A/B  
Sync

DET-Soft 3.0.2

File Edit View Port Detector Help

My Computer

com0com - serial port emulator CNCA0 (COM20)

TDC3-2-F-B-45, (ID-1)

TDC3-2-F-B-45, (ID-2)

TDC3-8-F-B-45, (ID-3)

TDC3-8-F-B-45, (ID-4)

Auto-configuration

Other functions

Auto-Config

C:\Users\andre\Documents\AUTOCONFIG\_LOG\_200921\_000.txt

Select Master

TDC3-2-F-B-45, (ID-1)

TDC3-2-F-B-45, (ID-2)

TDC3-8-F-B-45, (ID-3)

TDC3-8-F-B-45, (ID-4)

Settings for selected Detectors

Speed units  km/h  mph

Wrong-way driver flag auto-reset  off  on

Use TLS Reset (Code 9)  off  on

Output TLS length  off  on

Provide Lane position  off  on

Tunnel application  off  on

Event Log

Cancel Start

- All detectors successfully completed the auto-configuration process

## 4. Inspection & Verification

S/N of detector:

Site ID:

- Commission process successfully completed according to above instructions
- Verified plausibility of traffic data (recommended)

Installed by:

Date: