

**FT-05FLC — VEHICLE COLLISION AVOIDANCE DEVICE / SAFEZONE DEVICE**

It consists of two devices, a warning and a distance measuring unit.

Warning and danger distance are set separately for person and vehicle on warning unit.

Warning and danger distance can be adjusted with 50 cm sensitivity.

When warning and danger distance are activated, an audible and visual alarm is given to warning unit.

2 dry contact relay outputs can be given to slow down and stop vehicle if it supports.

**ACTIVE USED SECTORS**

- Agriculture
- Production
- Mining
- Logistics
- Construction
- Health
- Automotive
- White Goods

**APPLICABLE MODULES**

- Real Time Person/Equipment Tracking System
- Social Distancing System
- Lone Worker System
- Safezone Collision Avoidance System

**GENERAL FEATURES**

- Scanning Wipelot mobile tags around distance measuring unit with cm level precision
- Warning operator with audible and visual warning if there is a person or a vehicle within the warning and danger distance
- Preventing collision by slowing down vehicle, If there is a person or a vehicle within warning and danger distance
- Working by taking energy of vehicle
- Remote firmware update

**FT-05FLC ——— VEHICLE COLLISION AVOIDANCE DEVICE / SAFEZONE DEVICE**
**TECHNICAL FEATURES**

Data Communication	RF, UWB
Working Method	TOF, RSSI
Range	Up to 80 meters
Sampling Rate	100 tags per second
LED Indicators	Distance, Power, Signal
Sensors	-
Communication Frequency	2.4 GHz Standard / 4.24 - 4.74 GHz UWB
Antenna Type	2dBi, 5dBi, 7dBi
RF Power	0 dBm - 18 dBm
Protocol	IEEE 802.15.4 - IEEE 802.15.4 a WPAN
Security	128 bit AES (optional)

**PHYSICAL FEATURES**

Dimensions	Warning Unit: 115 mm x 65 mm x 40 mm Distance Measuring Unit: 155 mm x 65 mm x 60 mm
Weight	504 gr (without cables)
Working Temperature	0 C / 70 C
Relative Humidity	0 - 95%, non-condensing
Protection Class	Warning Unit: IP54, Distance Measuring Unit: IP65
Shock Resistance	3g
Case	ABS
Battery	-
Estimated Battery Life	-

**OTHER FEATURES**

DC Operating Voltage	12-36V DC
AC Operating Voltage	-
Remote Firmware Update	Yes
Communication Interface	-
I/O Interface	2 dry contact output (to slow down and stop vehicle)
Certification	CE, FCC



# NEW GENERATION INDUSTRIAL IoT & RTLS SOLUTIONS

Real time equipment, employee,  
vehicle location and status tracking  
in industrial environments

**Make better operational  
assets, secure equipments,  
and smarter tools**

Increase overall operational efficiency and  
make your workplace safer with Wipelot IoT



## Asset & Equipment Monitoring

Track real time status and location of motorized  
or non-motorized vehicles and equipments



## Employee Monitoring

Track employee locations with centimeter  
sensitivity both indoor and outdoor



## Work Safety

Prevent forklift-to-employee collisions,  
monitor a person's instant actions such as  
free falling, stop moving or fainting



## Monitoring Environment Parameters

Monitor gas, dust, temperature-humidity-light  
levels wirelessly

## CONTACT US

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