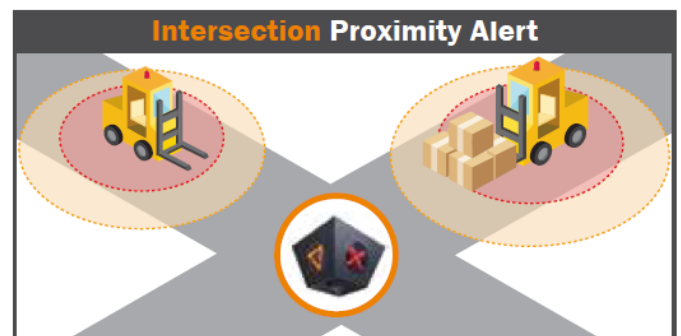
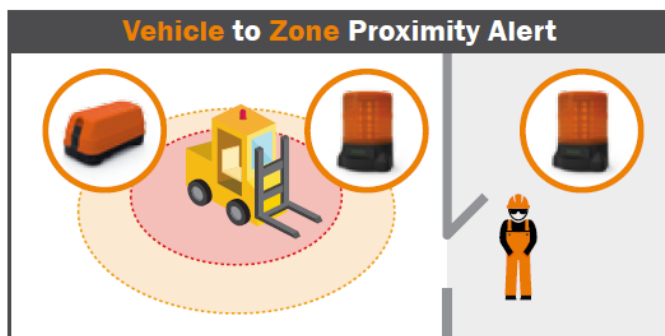


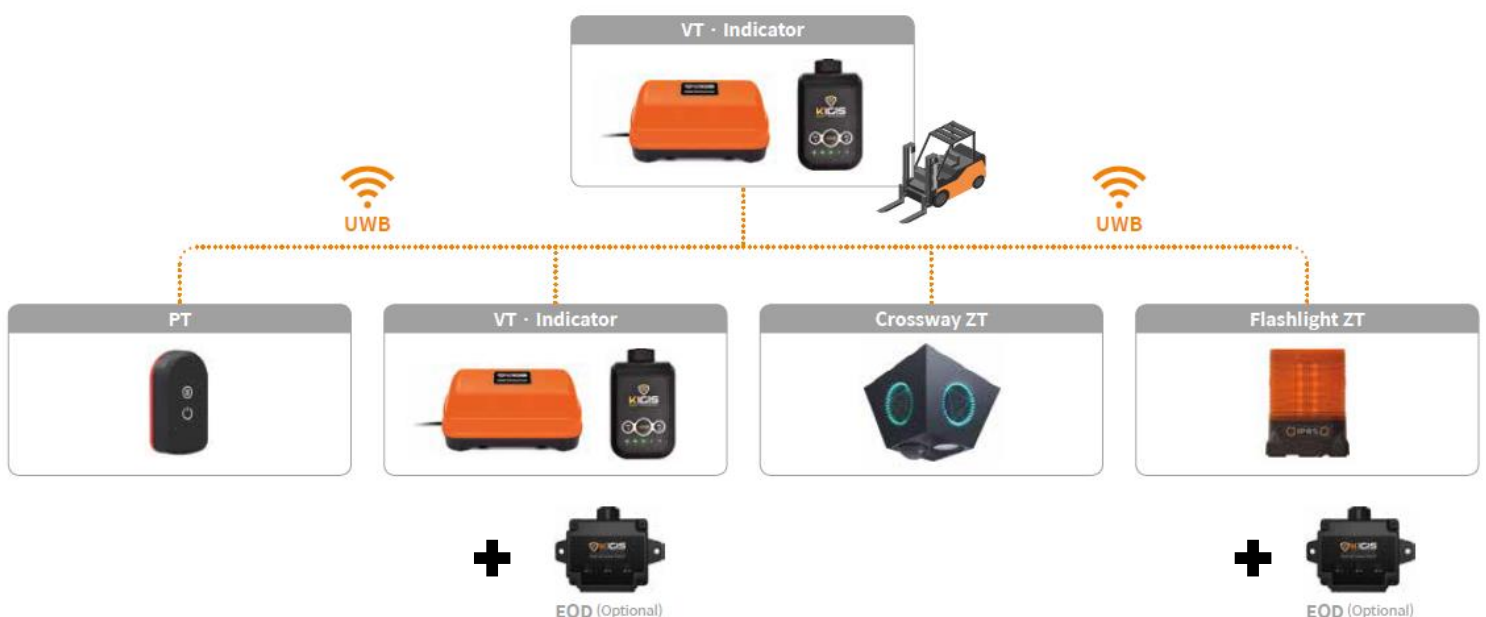
IPAS(Intelligent Proximity Alert System)

IPAS is designed to reduce the risk of collision between pedestrians and moving vehicles in your workplace. The system uses the cutting-edge RF technology to precisely measure the distance between the vehicles and pedestrians providing highly reliable collision warning.

● Functionality



● Key Map for Operating and Sensing



Datasheet

Indicator for making light/sound alarm when Vehicle Tag detects pedestrians into warning areas.



- Intelligent proximity alert system
- CAN bus interface with 12/24V external power
- Easy use without a setup
- Simple installation and detachment
- Alert functions are unaffected by wind, falling rain or snow, fog, humidity, air temperature, or light
- Indicator operates in warehouse, factory, port and construction/mining site as an alert device
- IP65 enclosure withstands harsh environments

● Technical Data

General Specifications

Communication Method	Interface	Weight
Wire	CAN Bus 2.0	207g

Electrical Characteristic

Power	Operating Voltage	Power Consumption
DC 12V / 24V	DC 9~32V	Below 4W

Operating Specifications

Operating Temperature	Storage Temperature	Ingress Protection Rating	Connector
-30~85°C	-40~85°C	IP65	I.P Connector PLUG 6P (M10xP0.5)

● Overview

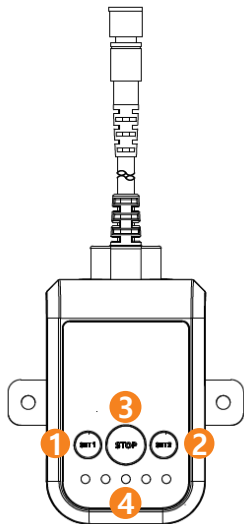
IPAS Indicator is a safety-assisting device which prevents collisions between pedestrians and vehicles by making acoustic and visual alarm to drivers in industrial working site.

Signal processing tag determines the distance from the vehicle tag to the object based on the time delay of the return signal. The tag can be configured to a caution and a warning zone.

When the pedestrian enters into the caution and danger area, the indicator makes alarm in the cabin of the vehicle.

The two zones are factory pre-set to default distances; they can be reconfigured for different distances using buttons on IPAS Indicator connected with Vehicle tag.

The sound level and detecting distance were pre-calibrated at the factory, assuming that the detecting field will be clear of obstacles, however, they can be adjusted by user's handling using buttons on the indicator.



- ① Set 1 Button: Distance/Volume Setting(Down)
- ② Set 2 Button: Distance/Volume Setting(Up)
- ③ Stop Button: Finalizing settings
 - Power ON: Green Light ON
 - Warning: Red Light ON

Figure 1. IPAS Indicator Features