

# Walk cross intersection solution



APP setting



When a person walks into the radar detection range, Our walk cross intersection solution automatically triggers a signal to light up the sign and the road studs to light up green, allowing the person to cross the street. Our walk cross intersection solution consists of a wireless Microwave Motion Detector and a Rhombus Pedestrian Sign. Wireless Microwave Motion Detector, 24.125GHz Detection speed range 5CM/S-25KM/H, Detection distance Standard 9 meters, working voltage: 12-36VDC, with Bluetooth function. The rhombus pedestrian sign reminds drivers to slow down and pay attention to pedestrians. It is installed at pedestrian-dense intersections, turning sections, school zones, or appropriate positions before pedestrian crossings that drivers do not easily notice. Its purpose is to alert drivers to the presence of pedestrians ahead, prompting them to slow down significantly and thus greatly reduce the occurrence of traffic accidents. The pedestrian sign features a novel structure, convenient and quick installation, lightweight, waterproof, and uses LED light sources for brighter illumination and longer lifespan. The light is softened through frosted lenses, reducing glare and minimizing potential harm to drivers' eyes during nighttime illumination.

#### Application:

- New crosswalk locations
- High incident intersections
- Rural roads
- Advance crosswalk warnings

#### Receiver Features

1. Two independent outputs, separate detection of people/vehicles;
2. Can disable lateral movement detection
3. Slow detection function
4. Installation height 2m-9m
5. Detection area up to 6.5m×8.5m
6. Can be installed outdoors, IP65 protection grade;
7. The detector can be adjusted 180° , easy to use
8. The slow detection function can effectively detect the front fork and pedestrians of the forklift.
10. App program the output time
11. Heightened driver awareness
12. Increased visibility at high incident intersections
13. Dual independent outputs for people and vehicles, and the sensor can also be used in applications where only people are detected.



# Walk cross intersection solution

## Radar parameter



Item	NBTR-24B
Application Technology	Doppler radar
Temperature range	-30℃ to +60℃
Transmit frequency	24.125GHZ
Humidity	0% 95%, no condensation
Transmit power	<20dBm
Waterproof level	IP65
Detection height	2.0m-9.0m
Relay output	dry contact, 2A@12V
Adjustable angle	0° -180° Vertical
Dimensions (including bracket)	162mmX110mmX65mm
Wireless mode	Lora
Detection speed	5cm/s-25KM/s
Detection zone	3.0m*3.5m@height when 2 meters 6.5m*8.5m@ height when 9 meters
N/W	650G
Electrical data:	
Working voltage	12-36VDC
Working current	The Maximum 75mA
Power frequency	50HZ
Setting method	Bluetooth connection APP setting

# Walk cross intersection solution

Rhombus Pedestrian Sign parameter



Item	NBDPS-60V9
Working voltage	24VDC
Color	Yellow/White
Size	539*539*33MM
Waterproof level	IP65
Working temperature	-40--60° C
Relative humidity	10%-95%
Pole diameter	D60
Working Modes	Steady or flashing (depend the controller setting)
Power	0.5W
Lamp beads category	Taiwan Epistar chip lamp beads
wavelength	585-595NM
Visible Distance	>500M
Installation Method	Fix with clamp
Material	Aluminum
Reflective film	3M
Net weight	3.5KG
Rough weight	3.96KG
Warranty	1 year
Certificate	CE, ISO9001:2015

# Walk cross intersection solution

Application:

