

## PHOTOELECTRIC DETECTORS

NR30TS / NR30TM	Outdoor 30m / Indoor 60m
NR60TS / NR60TM	Outdoor 60m / Indoor 120m
NR90TS / NR90TM	Outdoor 90m / Indoor 180m

- \* Quad beam detector
- \* Pulsed synchronized invisible infrared beam detector.
- \* NRTS series is 1 channel model.
- \* NRTM series is 4 channel model which can be stacked up to 4 units.

### Features

- High-grade Spherical fresnel lens
- IP55 : Precise Mechanical Protection Structures
- Selectable Frequency 4 channels (NRTM only)
- EDC:Environmental Discrimination Circuit (NRTM only)
- Easy Optical Alignment
- AGC (Automatic Gain Control)



### Certifications and Approvals

Europe :CE : EN61000-6-3:2007 +A1 : 2011 , EN50130-4 :2011  
USA :UL : UL639

## NRTS/TM Specifications

Model	NR30TS/60TS/90TS	NR30TM/60TM/90TM
Input voltage	DC10.5V~ 28V NO-Polarity	
Current draw	Tx : 15mA/27mA/38mA , Rx : 24mA	Tx : 15mA/24mA/31mA , Rx : 64mA
Operating temperature and humidity	-25°C~+55°C RH95% or less	
Storage temperature and humidity	-30°C~+65°C RH95% or less	
Protection range	30m/60m/90m(outdoor), 60m/120m/180m(indoor)	
Sensitivity allowance	100 times	
Interruption time	50msec~700msec	50msec~900msec
alignment angle	Horizontal : ±90° : Vertical : ±5°	
Auto gain control	Available	
Channel	1ch	Selectable Frequency 4ch
Alarm	1c, DC30V, 0.1A , Retention time 1 sec.	
Tamper	1b , DC30V, 0.1A , While the cover is opened.	
EDC	N/A	1b, DC30V, 0.1A, Retention time 1 Sec.
Indicators	Power	Tx : LED lights when the power is ON.
	Alarm	LED lights when the alarm outputs.
	EDC	N/A LED lights when the EDC outputs.
Optical alignment	Rough	Scope
	Fine	LED lights according to the beam power
	Fine	Voltage output for the voltmeter
IP rate	IP55	
Dimensions	W77xH177xD83	
Weight	760g(Tx, Rx total)	
Color	Black, Munsell approx. N1.0	
Standard	CE, RoHs, CCC	

## Optional Accessories



**BP-1**  
Metal Pole (2pcs.)  
H: 3'11"(950mm)  
D:1 3/4"(43mm)



**BP-2**  
Metal Pole (2pcs.)  
H: 3'11"(1200mm)  
D: 1 3/4"(43mm)

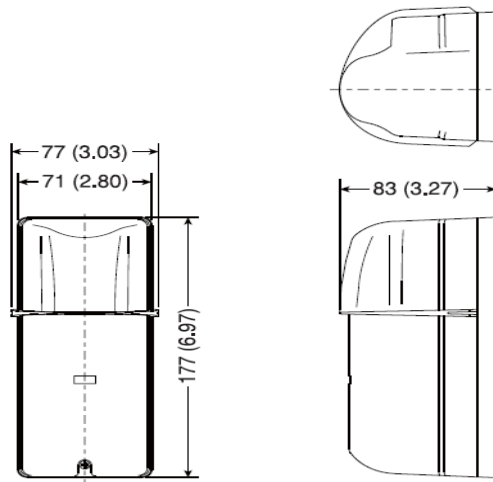


**BP-3**  
Wall Mount Pole(2pcs.)  
H:16 9/16"(420mm)  
D:1 3/4"(43mm)



**BH12T**  
Heater (2pcs)  
For use in cold and frosty environment

## Dimensions mm(inch)



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