



ISO 9001
JQA-2292



ISO 14001
EC04J0029



PHOTOELECTRIC DETECTORS

NR30TD Outdoor 30m / Indoor 60m

NR60TD Outdoor 60m / Indoor 120m

NR90TD Outdoor 90m / Indoor 180m

ATSUMI

Advanced Security Technology

For Our Future



Digital Controlled Reliable Photoelectric Twin Beam Detector

ATSUMI provides the Highly Reliable NR30/60/90TD Series with the Long Experienced Analog and CPU based Digital Technologies. Together with the Sophisticated Mechanical design, the Series offers an easy installation and long-term stability to satisfy the High level Demand.

PHOTOELECTRIC DETECTORS NR30TD/NR60TD/NR90TD

Features

1. Digitally-Controlled Electrical Circuit

Atsumi Products are all equipped with the highly reliable digitally-controlled electrical circuit based on the long experienced technologies.

Highly reliable features are condensed in this small unit.

2. Dual Modulation

Beam rays are modulated by TWO frequencies.

This technology improves the performance of external light compensation and prevention of electrical magnetic interference.

3. Newly Designed Spherical Fresnel Lens

The high-grade spherical fresnel lens makes a sharply focused beam ray at a long distance, therefore it achieves 100% sensitivity allowance among other important features.

4. Easy Optical Alignment

Three alignment methods are available and it achieves quick and easy installation.

- (1) For the initial rough alignment, the scope is useful.
- (2) For the fine alignment, Three LEDs show the alignment condition.
- (3) For the other fine alignment, Volt Meter Output shows the alignment condition.
- (4) Mechanically, the vertical and horizontal alignment screws are useful for fine adjustment.

5. Mechanical Protection Structure

The Rubber O-Ring and Grommet with precise mechanical structure achieve IP54 and prevent rain, dust and insects from coming inside. (IP55 with Pole Cover)

6. High Performance Lens

Newly-designed high performance lens makes sharply focused beams and enhances overall performance at the rated distance.

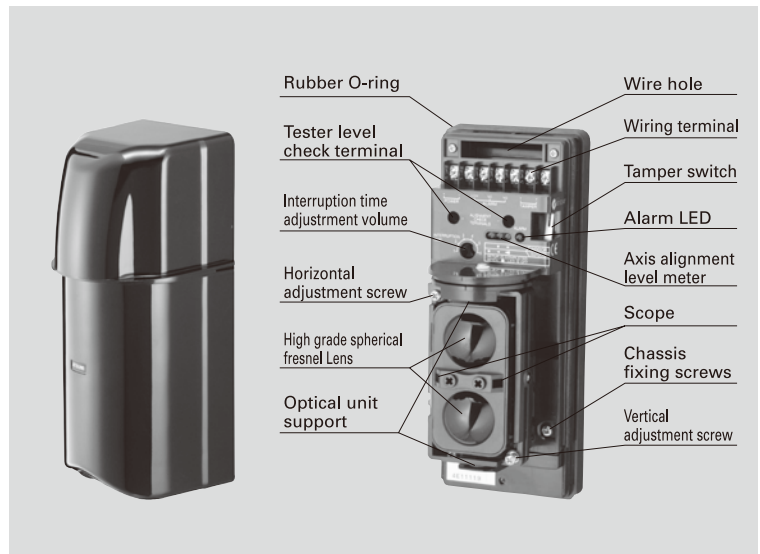
7. Knockout Structure

Unique Knockout structure keep the IP rate when making wiring hole.

It eases the installation too.

8. Others

- * AGC (Automatic Gain Control)
- * Adjustable beam interruption time
- * Two supports for stabilizing the optical unit.
- * Twin beams offer stable operation.
- * 99% beam blocking is acceptable.
- * High grade plastic and metal material for harsh environment.

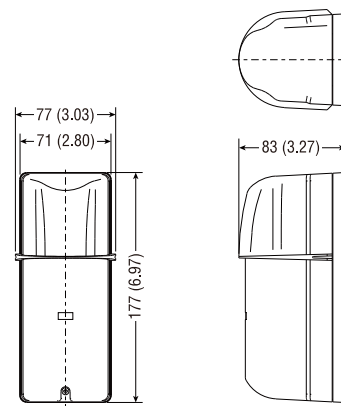


Specifications

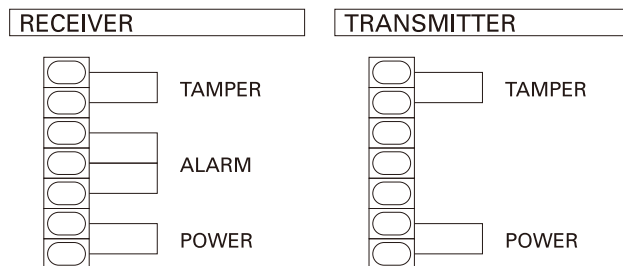
Model	NR30/60/90TD
Outdoor Range	30m / 60m / 90m
Indoor Range	60m / 120m / 180m
Sensitivity Allowance	100 times
Beam Composition	Twin Beam
Beam Modulation	LED pulsed beam, Dual modulation
Voltage	10.5-28V
Current draw	54 / 58 / 63 mA
Interruption time	50msec~500msec
Alarm output	1c, 30VDC 0.1A, Retention time 3 Sec
Tamper output	1b, 30VDC 0.1A, When Cover is opened
Weight	760 g
Operating Temperature	-25~+60 °C
Alignment Angle	±90° (Horizontal), ±5° (Vertical)
Alignment (rough adjustment)	Scope
Alignment (fine adjustment)	3 LED displays & Voltmeter
Fine adjustment Mechanism	Horizontally and Vertically by Screws
IP rate	IP54 (IP55 with Pole Cover)
Dimensions	77 x 177 x 83

Dimensions

mm (inch)



Terminals



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