



ISO 9001
JQA-2292

ISO 14001
ECO4J0029



PHOTOELECTRIC DETECTORS

NR60QM Outdoor 60m (180ft.)

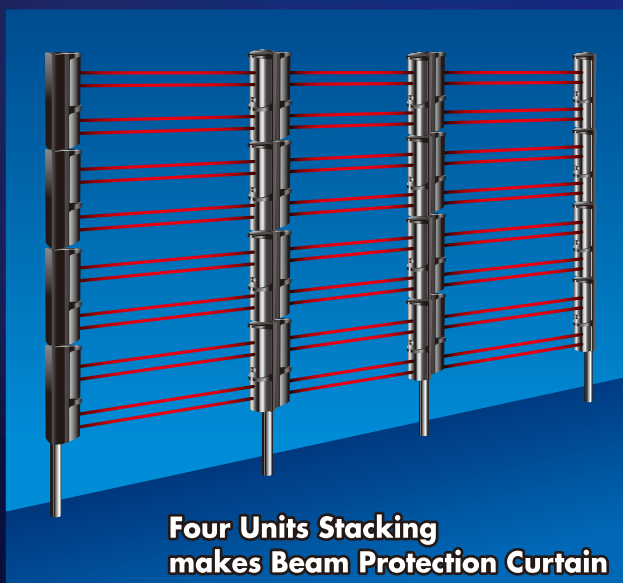
NR120QM Outdoor 120m (394ft.)

NR200QM Outdoor 200m (656ft.)

Highly Reliable Perimeter Protection based on Innovative Technology

The NR-QM series feature

- ◆ Four(4) Units Stacking with Quad Beam, Multi Frequency and High Crosstalk Elimination Technology.
- ◆ AND & OR Mode Selection by the upper 2 beams and lower 2 beams combination.
Up to 200m Outdoor purpose is available.
- ◆ Four (4) Ways Alignment (Optics, Voltmeter, Three(3) LEDs, Buzzer).



**Four Units Stacking
makes Beam Protection Curtain**



PHOTOELECTRIC DETECTORS

PHOTOELECTRIC DETECTORS NR60QM / NR120QM / NR200QM

Features

● Four (4) Units Stacking

The Eight(8) kind beams selection can allow the stacking or the long distance application. And Quad beams ensure ultimate stability too.



● AND & OR Mode Selection

AND : In case when all Four(4) Beams are interrupted, Alarm is activated.

OR : In case when either Upper 2 Beams or Lower 2 Beams are interrupted, Alarm is activated.

OR mode prevents an intruder from crawling through the lower 2 beams.

Up to 200m for the Outdoor and 400m for the Indoor are extremely cost effective.

● Four (4) ways Alignment (Optics, Voltmeter, Three(3) LEDs, Buzzer).

These features offer an extremely easy alignment in any situation.

● EDC(Environmental Discrimination Circuit)

Beam reception level is severely dropped in heavy fog, snow and rain, often causing unwanted alarm activations.

In case of such conditions, environmental trouble signal is sent to the controller to distinguish from intrusion. EDC gives additional stability in harsh environments.

● Beam Power Control

This unique feature controls the volume of beam transmission level according to the installed range. The unit transmits only the optimal beam energy required for each application, preventing reflection on nearby walls and cross talk with other detectors.

● 100 Times Sensitivity Allowance

Stable operation is maintained even if 99% of beam energy is lost by fog, snow or rain.

● IP Rating: 54

Protection from rain, dust and insects.

● Beam Interruption Time

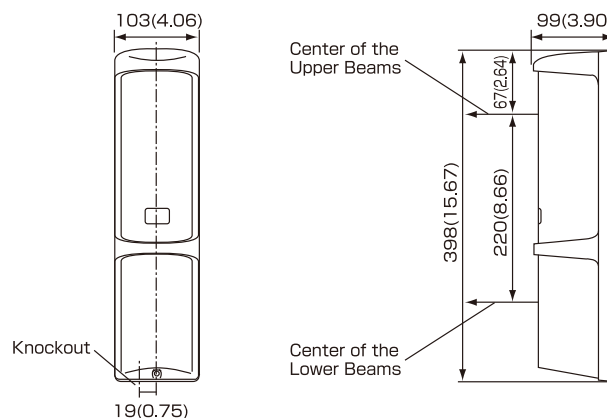
50-500msec (adjustable)

Specifications

Description		Photoelectric Detector		
Model		NR60QM	NR120QM	NR200QM
Detection Range		60m (180ft)	120m (394ft)	200m (656ft)
Power Supply		10.5-28.0VDC		
Current Draw		110mA max	115mA max	135mA max
Operating Temp. & Humidity		-25°C to +60°C, RH95% or less, non-condensing		
Storage Temp. & Humidity		-30°C to +70°C, RH95% or less, non-condensing		
Output	Alarm	From 1c relay rated at 0.2A@30VDC, 3seconds		
	EDC	From 1b relay rated at 0.2A@30VDC, 3seconds		
	Tamper	From 1b relay rated at 0.2A@30VDC NC contact opens when beam cover is opened.		
Interruption Time		50-500msec		
Optical Module		Adjustable ±90° horizontally, ±10° vertically		
Beam Power Control		Equipped		
Mounting		Outdoors		
Weight		Transmitter: 1.2kg, Receiver: 1.2kg		
Color		Black		

Note: NR60QM does not have UL certificate. But NR60QM is conformable to UL.

Dimensions



Optional Accessories



BP-1

Metal Pole (2pcs.)
H:3' 1"(950mm),
D:1 3/4"(43mm)



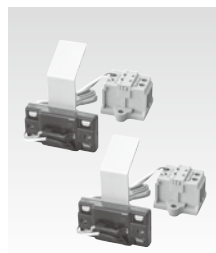
BP-2

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



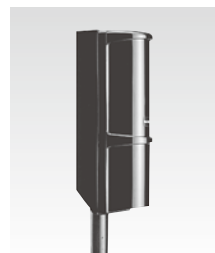
BP-3

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



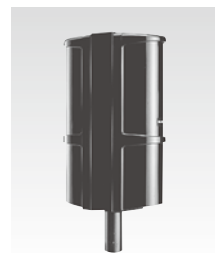
BH24D

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



PC1A

Pole Cover(2pcs)
For aesthetically pleasing installation



PC3A

Back-to-back Enclosure
For aesthetically pleasing installation



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