



PHOTOELECTRIC DETECTORS

NR120QM Outdoor 120m (394ft.)

NR200QM Outdoor 200m (656ft.)

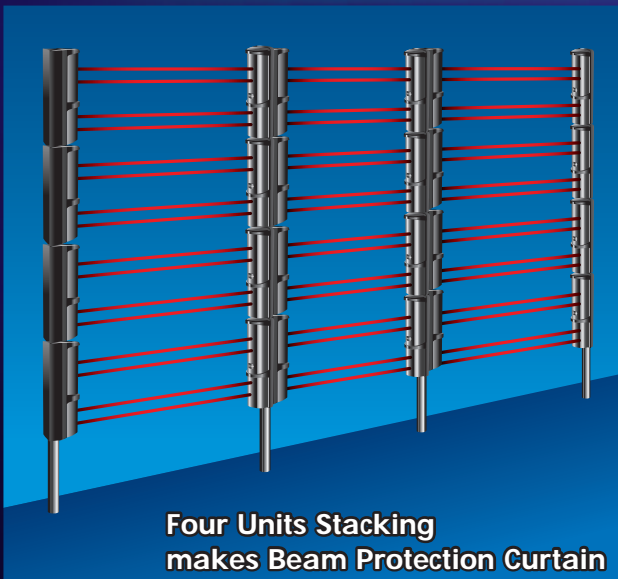
High Reliable Perimeter Protection based on Innovative Technology

The NR-QM series feature

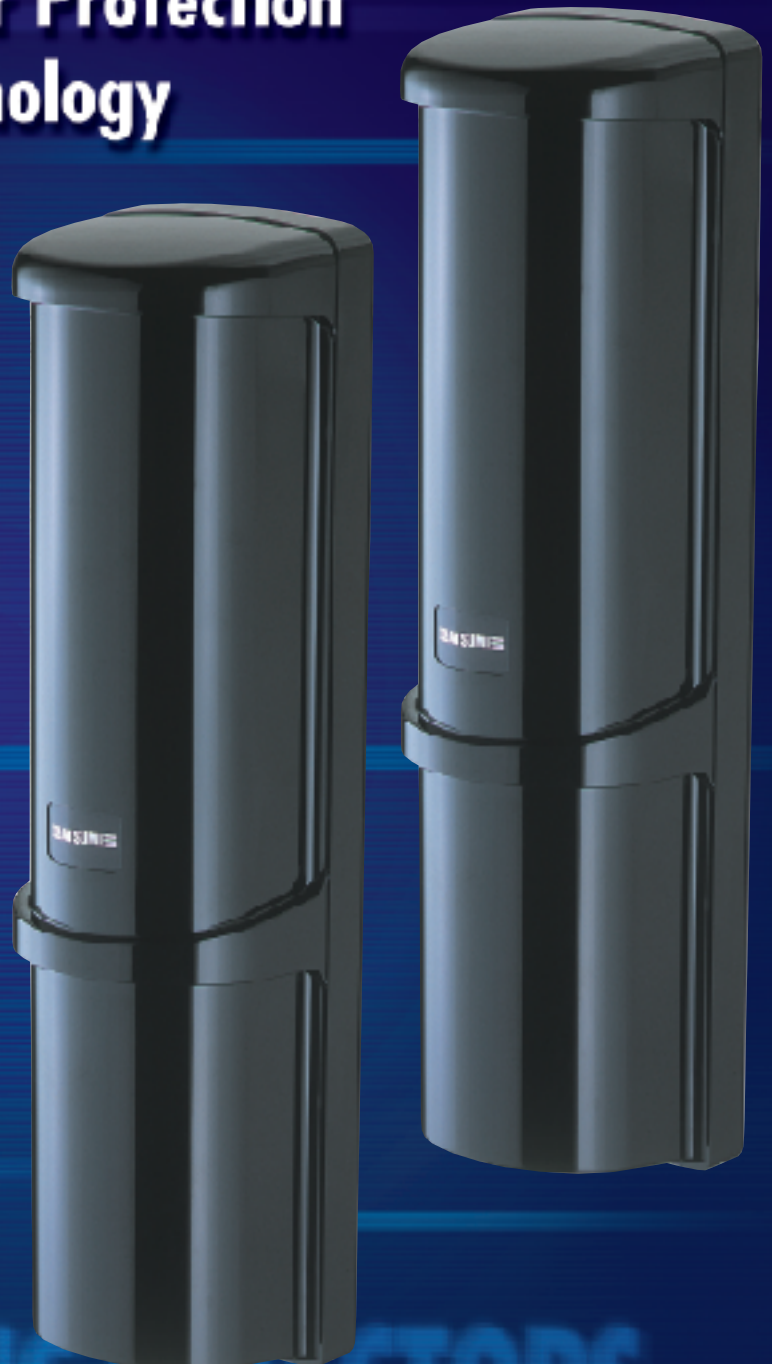
Four(4) Units Stacking with Quad Beam, Multi Frequency and High Crosstalk Elimination Technology. AND & OR Mode Selection by the upper 2 beams and lower 2 beams combination.

Up to 200m Outdoor purpose is available.

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



**Four Units Stacking
makes Beam Protection Curtain**



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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 which Four(4) Beams are interrupted, Alarm activated.

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

OR mode eliminates the intruder crawls through the lowest beam. 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 the extreme 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

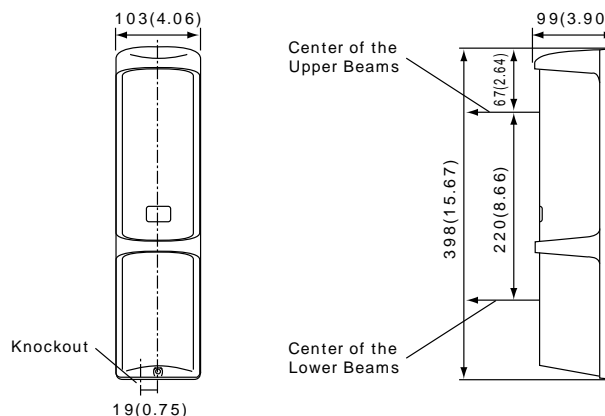
50-500msec (adjustable)

Specifications

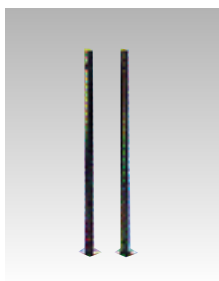
Photoelectric Detector		
Description	Photoelectric Detector	
Model	NR120QM	NR200QM
Detection Range	120m (394ft)	200m (656ft)
Power Supply	10.5-28.0VDC	
Current Draw	115mA max	135mA max
Operating Temp. & Humidity	-25 to +60 , RH95% or less, non-condensing	
Storage Temp. & Humidity	-30 to +70 , RH95% or 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 $\pm 90^\circ$ horizontally, $\pm 10^\circ$ vertically	
Beam Power Control	Equipped	
Mounting	Outdoors	
Weight	Transmitter: 1.2kg, Receiver: 1.2kg	
Color	Black	

Dimensions

mm (inch)



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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