

SBT/SBQ Active Infrared Beams



Twin and Quad active infrared beams (SBT and SBQ respectively) for indoor and outdoor perimeter protection. High power source for better detection range and minimum signal loss.



Guardall • **SBT/SBQ**

SBT/SBQ

Active Infrared Beams

SUPPLIER/INSTALLER

ORDERING INFORMATION

			Minimum-Maximum Range	
			outdoor	indoor
SBQ 200	200 metres QUAD	W 73677	100-200m	
SBQ 150	150 metres QUAD	W 72359	75-150m	
SBQ 100	100 metres QUAD	W 72360	50-100m	
SBT 150	150 metres TWIN	W 73676	100-150m	150-250m
SBT 100	100 metres TWIN	W 73129	75-100m	100-175m
SBT 50	50 metres TWIN	W 72361	25-50m	75-150m
SBT 25	25 metres TWIN	W 72362	0-25m	0-75m
SQA 1	SBQ pole mounting kit	W 72363		
SQA 2	"Back to back" kit	W 72364		
SOH 24	Heater/Thermostat for SBQ	W 72365		
STA 1	SBT pole mounting kit	W 72366		

TECHNICAL SPECIFICATION

	SBT	SBQ
Range	25m, 50m, 100m, 150m	100m, 150m, 200m
Max transmission distance	350m (SBT 25), 700m (SBT50), 1100m (SBT100), 1680m (SBT150),	2000m (SBQ100), 3000m (SBQ150), 3200m (SBQ200).
Detection System	2 beams simultaneously	4 beams simultaneously
Response Time	50 – 700ms (variable)	35 – 700ms (variable)
Alarm output	NC-NO (30V 500mA)	NC-NO (30V 500mA)
Tamper output	NC	NC
Power Supply	10.5 – 28V dc	10.5 – 28V dc
Current	25mA (SBT25) 47mA (SBT50) 60mA (SBT100) 71mA (SBT150)	82mA (SBQ100) 93mA (SBQ150) 100mA (SBQ200)
Temperature	-25° to +55°C	-25° to +55°C
Optical axis adjustment		
Horizontal	180° (+/- 90°)	180° (+/- 90°)
Vertical	20° (+/- 10°)	24° (+/-12°)
Optical collimator	Removable	Incorporated
Frost protection	Slit type	Slit type (heater option)
Test Signal output	Yes	Yes
Fog disable circuit	No	Yes
Housing	Polycarbonate/ABS	Polycarbonate/Aluminium
Weight	300 grams	970 grams
IMQ approval	Level II	Level II

Guardall SBT/SBQ

SUPERIOR QUALITY AND PERFORMANCE

- High quality bifocal lenses and high power transmitter diodes for exceptional performance.
- False alarm immunity increased by Twin (SBT) and Quad (SBQ) operation. An alarm signal is activated by the simultaneous obscuration of two or four beams.
- Automatic Gain Control to compensate for environmental conditions.
- Digital filter (SBQ) analyses and filters environmental noise, thus improving false alarm immunity.
- Signal stability and quality assured by the use of quartz oscillator.
- Adjustable detection speed to suit installations with different risk levels.
- Simultaneous adjustment of beams (both horizontal and vertical).

ADVANTAGES FOR CUSTOMERS AND INSTALLERS

- SBQ is suitable for poor weather conditions (built in fog disable circuit and optional heaters).
- Optical alignment for easier and faster installation.
- Pleasant aesthetic design suitable for all applications, from residential to industrial.

COLUMNS

for SBT/SBQ Active Infrared Beams

- Pleasant aesthetic design
- Easy to install
- 180° beam adjustment
- Four different height versions
- Tamper module included
- The columns for active infrared beams SBT/SBQ are designed and built to withstand the worst weather conditions and are therefore suitable for outdoor perimeter installations.
- The use of aluminium extrusion gives a very high mechanical resistance, whereas the "window" part (either in perspex or in polycarbonate) is robust and insensitive to sunlight.
- The columns represent an ideal and invisible barrier, suitable for outdoor perimeter protection, without compromising the aesthetics of the site to be protected.
- The special "window" allows the installation of several IR beams, mounted at different heights and angles to give cost effective protection.
- Heater and kits for either wall or ground installation are optional accessories. The heater module is set to switch on at +7/8°C and switch off at +14°C (at 24V dc/ac – 20W).

COLUMNS ORDERING INFORMATION

Column 1.5m high with tamper
Column 2.0m high with tamper
Column 2.5m high with tamper
Column 3.0m high with tamper

W74072
W74073
W74074
W74075

Optional Accessories:

Mounting Base for SBT/SBQ W74076
Wall Mounting kit W74077
Ground Mounting kit W74078
Heater/Thermostat W74080
Power Supply (500mA at 12V dc; 2A at 24V ac): W74079*

* requires W74076 base

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