

CSB

S E R I E S

INTELLIGENT OUTDOOR MICROWAVE BARRIERS

- DETECTION RANGE OF UP TO 60 M (200 FT) OR 200 M (660 FT)
- OPERATING TEMPERATURE -40°C TO $+60^{\circ}\text{C}$ (-40°F TO $+140^{\circ}\text{F}$)
- WEATHER AND ATTACK PROOF HOUSINGS
- HIGH IMMUNITY TO EMI
- POWER FAILURE PROTECTION AND BACKUP
- EXTRA RELIABILITY
- EASY CALIBRATION AND INSTALLATION

CROW HAS DESIGNED A RANGE OF OUTDOOR MICROWAVE BARRIERS FOR EXTERNAL PERIMETER PROTECTION.

THE CSB SERIES CAN BE USED TO PROTECT HIGH SECURITY AREAS SUCH AS MILITARY SITES, HIGH RISK PLANTS, BANKS, AS WELL AS COMMERCIAL AND RESIDENTIAL PROPERTIES FROM INTRUDERS APPROACH.

THE MICROWAVE BARRIERS OPERATE AS AN INVISIBLE BEAM BETWEEN THE TRANSMITTER AND THE RECEIVER UNITS SURROUNDING THE PROTECTED AREA. THE CROSSING OF THIS BEAM GENERATES THE ALARM.

THE CSB SERIES OFFERS OUTSTANDING PERFORMANCE AT LONG DISTANCE RANGE AND HIGH RESISTANCE TO CLIMATIC DISTURBANCES AND BIRDS OR SMALL ANIMALS INTERFERENCE.

THE CSB BARRIERS ARE DESIGNED FOR ROUND-THE-CLOCK OPERATION IN HARSH ENVIRONMENTS FROM -40°C (-40°F) UP TO $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

CSB60 AND CSB200 OFFER DIGITAL SIGNAL ANALYSIS FOR COMPLETE ENVIRONMENTAL PARAMETERS STUDY, FALSE ALARM REJECTION AND EXTRA RELIABILITY.

THREE LEVELS OF SENSITIVITY ADJUSTMENT ARE PROVIDED FOR EASY CALIBRATION. SWIVEL MOUNTING BRACKETS ALLOW AN EASY INSTALLATION ON ANY TYPE OF POLE, FENCE OR WALL.



**CSB Series - Professional Microwave Barriers for
Professional Installers**



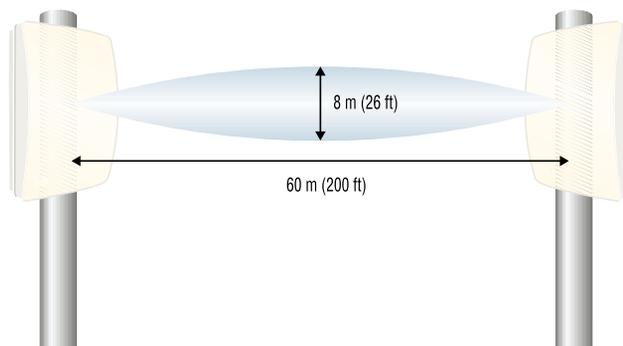
CSB SERIES

INTELLIGENT OUTDOOR MICROWAVE BARRIERS

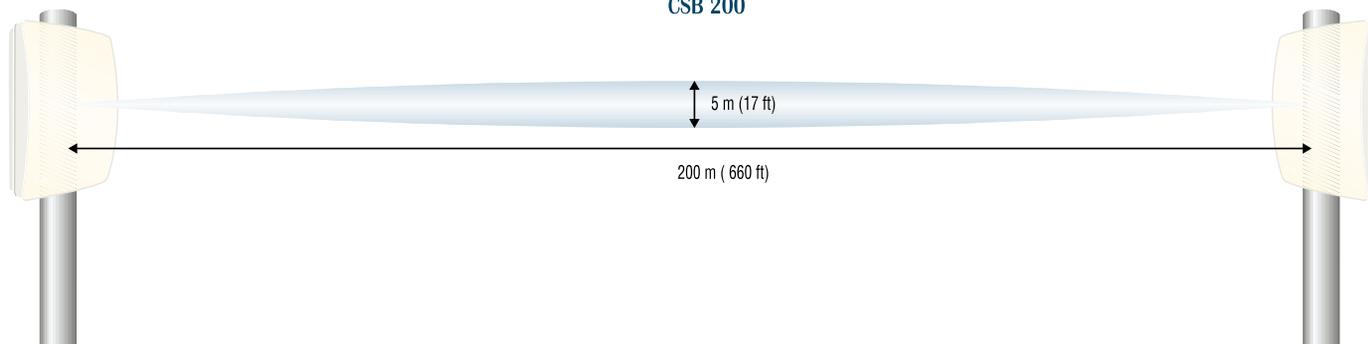
Specifications	CSB-60	CSB-200
Microwave frequency	2.45 GHz	9.9 GHz or 10.525 GHz (in accordance with national frequencies)
Modulation frequency	2.5 KHz ± 500Hz	
Maximum transmitting power	10mW (Continues) 25mW (Peak)	
Scope (Length of protection zone)	Max. 60 m (200 ft)	Max. 200 m (660 ft)
Lobe width	Approx. 8 m (26 ft)	Approx. 5 m (17 ft)
Lobe height	Approx. 3 m (10 ft)	Approx. 1.8 m (6 ft)
Power supply voltage	12...30 V	
Current consumption	Transmitter - 20 mA at 12Vdc / Receiver - 20mA at 12Vdc	
Relay contacts values	N.C 28 Vdc, Maximum current 0.1 A	
Alarm period	3 Sec (Max.)	
Tamper switch	N.C 28 Vdc, Maximum current 0.1 A - open when cover is removed	
Detection speed (Target velocity)	0.3...10m/sec (1...33ft/sec)	
Remote testing	Built-in self-test generator simulates actual intrusion signals	
Flatness of ground	Approx. 0.3 m (1 ft)	
Maximum height of grass on the ground	0.3 m (1 ft)	
Maximum height of snow on the ground	0.5 m (1.6 ft)	
Dimensions of unit (Trans./Rec.) w/o bracket	158 mm x 113 mm x 46 mm (6.2" x 4.4" x 1.8")	260 mm x 210 mm x 85 mm (10.1" x 8.2" x 3.3")
Weight (T, R and accessories)	1.1 kg (2.42 lb)	2.6 kg (5.72 lb)
Operating temperature range	-40°C – +60°C (-40°F – +140°F)	
LED indicator	Internal warning LED for visual indication during installation	
Weatherproofing	• All openings with gasket and sealed • Conformal coated circuit board	

TYPICAL COVERAGE PATTERNS

CSB 60



CSB 200



DESIGN & PRODUCTION: SHAPIRA/KANTOR



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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