

BSR 1804

BAND SELECTIVE COMPACT REPEATER

The BSR 1804 offers quick and easy coverage deployment for indoor applications such as police stations, garages, power plants or confined areas. An outside donor antenna picks up the signal, whilst the indoor server antenna provides

the coverage inside the building. The unit provides relatively high output power and amplifies the signals with a gain of up to 70 dB. Installation is further made easy through the use of a wall adapter.



SPECIFICATIONS

Frequency bands available (MHz)	UL	DL
	380-385 385-390 410-415 415-420 450-455 455-460	390-395 395-400 420-425 425-430 460-465 465-470
Operator bandwidth	5 MHz	
Duplex distance	10 MHz	
Impedance	50 Ω	
Output power/carrier (DL) *	+18 dBm (1 carrier) +15 dBm (2 carriers) +12 dBm (3-4 carriers) +9 dBm (8 carriers)	
Gain	50-70 dB in 1 dB steps	
EXTERNAL CONNECTION		
Local Maintenance Terminal	RS232	
RF Ports	N-Type Female	
External alarms inputs	4	
Repeater status relay	1 Relay normally open (NO)	
Remote connection and alarm supervision via	GSM, GSM-R or PSTN modem or Ethernet	
Power Consumption	< 20 W	
MECHANICAL SPECIFICATION		
Dimensions (H x W x D)	280 x 224 x 83 mm	
Enclosure	Aluminium (IP52)	
Weight	4 kg	
Cooling	Convection	
ENVIRONMENTAL SPECIFICATION		
Operating Temperature	0 to + 45 °C	
Storage	- 30 to + 70 °C	
MTBF	> 100 000 hrs	
Complies with	TS 101 789-1 73/23/EEG	

(*) Output power measured with TETRA signals

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

About Axell Wireless

Axell Wireless is one of the top 3 global providers of wireless coverage solutions and the market leader in the provision of solutions for the public safety market worldwide. Applications for Axell Wireless equipment include coverage solutions for all sorts of environments including road and rail tunnels, metros, small and large buildings and transportation systems such as railways and aeroplanes. With its headquarters in the UK, Axell Wireless has been operating for over 30 years and has a substantial international presence operating out of 10 offices across 4 continents. A proven track record combined with a worldwide reputation for providing innovative and high quality products have made Axell Wireless a truly global player in the wireless coverage industry.

www.axellwireless.com