



CHANNEL SELECTIVE REPEATERS

Coverage gaps detected when optimising a network can easily and cost-effectively be covered by deploying a gap-filler. Axell Wireless gap-filler, the Channel Selective Repeater has higher output power and lower noise figure than that of any other manufacturer.

The Channel Selective Repeater can also be used to generate cost-effective coverage in an indoor environment, typically a building or tunnel. A seamless and continuous coverage is thereby achieved.

In other words, Axell Wireless gap-filler offers the largest coverage available on the market. Thereby, the number of gap-fillers needed is significantly reduced. Through the unique design of Axell Wireless medium power repeater, there are substantial cost-savings to be made. Both the capital and the operational expenditures are reduced as an effect of deploying a gap-filler that “goes the extra mile”.

PRODUCT BENEFITS

- High output power
- Low noise figure
- Advanced and user-friendly remote control and supervision

CSR822	Channel Selective GSM850 Repeater equipped with 2 channels
CSR824	Channel Selective GSM850 Repeater equipped with 4 channels
CSR922	Channel Selective GSM900 Repeater equipped with 2 channels
CSR924	Channel Selective GSM900 Repeater equipped with 4 channels
CSR1822	Channel Selective GSM1800 Repeater equipped with 2 channels
CSR1824	Channel Selective GSM1800 Repeater equipped with 4 channels
CSR1922	Channel Selective GSM1900 Repeater equipped with 2 channels
CSR1924	Channel Selective GSM1900 Repeater equipped with 4 channels
CSR922-R	Channel Selective GSM-R Repeater equipped with 2 channels
CSR924-R	Channel Selective GSM-R Repeater equipped with 4 channels

SPECIFICATION

Frequency range	900 MHz E-GSM900	900 MHz P-GSM900	850 MHz	900 MHz GSM-R	1800 MHz	1900 MHz
Uplink UL	880 - 915	890 - 915	824 - 949	876 - 880	1710 - 1785	1850 - 1910
Downlink DL	925 - 960	935 - 960	869 - 894	821 - 925	1805 - 1880	1930 - 1990

Number of channels 2 - 4
 Channel programming In 200 kHz Channel spacing
 Selectivity > 60 dB @ 400 kHz
 > 70 dB @ 600 kHz

Output power per carrier UL & DL	2 Channels	4 Channels
GSM/GMSK	+37 dBm	+34 dBm
EDGE/8-PSK	+34 dBm	+31 dBm



Antenna connectors DIN 7/16 Female
 Electrical ratings 110/230 V AC, 50/60 Hz (alt. - 48 VDC)

Power Consumption (typical, traffic dependent)

Frequency	2 Channels	4 Channels
900 MHz	160 W	270 W
1800 & 1900 MHz	200 W	340 W

Mechanical

Dimensions (2 Channels) 540 x 350 x 150 mm
 Dimensions (4 Channels) 540 x 350 x 220 mm
 Weight (2 Channels) 22 kg
 Weight (4 Channels) 33 kg
 Enclosure Aluminium (IP 65)

Environmental

EMC See compliance below
 Operating Temperature - 25 to + 55 ° C
 Storage - 30 to + 70 ° C
 Humidity ETSI EN 300 019-2-4 (see compliance below)
 MTBF > 100000 hrs
 Complies with R & TTE Directive including:
 ETS EN 301 502 (ETS EN 300 609-4/GSM 11.26), ETS EN 301 498-8, EN 60 950

All data is subject to change without prior notice

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