



dCSS multiswitch 1 dCSS SAT tap output **art. 15-731 MSW41 dCSS**



It allows the reception of digital signals of a satellite. Equipped with a dCSS output, which allows to distribute a potentially unlimited number of transponders up to 16 users, independent of each other.

For the supply of the multiswitch and the LNB you need a power supply unit you can connect to the tap output (cod. 15-711 ALIM 0,5 A/2) or to V/L connector (cod. 15-501 ALIM/M5-SAT) using a DC inserter (cod. 15-503 INSERITORE CC).

The device starts up in installation mode to check the equipment functionality and the correct installation. In this mode the automatic gain control is frozen (commands for activating the AGC are required). The installation mode starts up with the following 2 transponders active (both output signals are having a fixed gain): TP 58 (Frequency: 11881 V) placed in output IF 1281 and TP 101 (Frequency: 12731 H) placed in output IF 2131.

The multiswitch switches to SCR/dCSS mode upon receiving a DiSEqC message.

Connect to tap only decoders that support SCR/Sky standard (see dCSS frequency configuration).

Install the unit in a well aery location and keep a minimum distance of 15 cm around the apparatus for sufficient ventilation.

Characteristics

- High density digital channels
- With AGC (automatic gain control)
- High isolation between inputs and outputs
- Installation mode start up

Code Item	15-731 MSW41 dCSS
No. of SAT inputs	4
No. of SAT outputs	4
No. of dCSS taps	1
dCSS tap gain	AGC controlled
SAT Loophthrough Loss	dB 2
Return Loss	dB -12 Typ. -8 Max
SAT tap level (with AGC)	dBμV 85
Max current consumption @13V	mA 300
Power supply voltage	Vdc 10÷18
Power to trunk	yes
SAT frequencies	MHz 950÷2150
dCSS channel bandwidth	MHz 46
Max SAT input level	dBμV 90
Min SAT input level	dBμV 60
Inputs isolation	dB >25
Outputs isolation	dB >25
dCSS commutation control	DiSEqC 1.0/DiSEqC 2.0
Connectors	screw F-type
Dimensions (LxWxH)	mm 80x40x90
Packaging dimensions (LxWxH)	mm 92x92x36
Packaging weight	Kg 0,14
Fit temperature	°C - 20 ÷ + 50
Compliant to	EN 50083-2, EN 60065

dCSS frequency configuration

Channel	Freq. (MHz)	Standard	Channel	Freq. (MHz)	Standard
Ch. 1	1210	EN50494	Ch. 9	1340	EN50607
Ch. 2	1420	EN50494	Ch. 10	1485	EN50607
Ch. 3	1680	EN50494	Ch. 11	1550	EN50607
Ch. 4	2040	EN50494	Ch. 12	1615	EN50607
Ch. 5	985	EN50607	Ch. 13	1745	EN50607
Ch. 6	1050	EN50607	Ch. 14	1810	EN50607
Ch. 7	1115	EN50607	Ch. 15	1875	EN50607
Ch. 8	1275	EN50607	Ch. 16	1940	EN50607

Example of application

