

# 913

## MULTISWITCHES

---

### 5X12 CASCADABLE MULTISWITCH

Code : **9130150**

Model : **ML-103**

#### Description

Cascadable multiswitches for 4 polarities and terrestrial TV with 8, 12 and 16 outputs. The outputs are amplified in the satellite IF band. In the terrestrial band they can be configured to function in either active or passive mode. Need to be powered from each individual receiver so that the switching and amplification of each derived output will function.

#### Applications

Medium-sized collective satellite and terrestrial TV installations. It is essential that they be mounted along with end multiswitches, so as to obtain distributions of up to 64 outlets on a single line if they are installed with intermediary amplifiers.

#### Characteristics

Shielded metal chassis with plastic supports. F-type connectors. Earth.

CODE		9130149		9130150		9130151	
MODEL		ML-102		ML-103		ML-104	
TV system		FM-TV / DVB-S / AM-TV / DVB-T					
Connection		F female					
Inputs		5/5					
Tap outputs		8		12		16	
Frequency range	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150
<b>PASSIVE MODE</b>							
Tap loss	dB±TOL	23 ±2.0	-2.5 ±4.0	24 ±3.0	-1 ±4.0	24 ±3.0	-1 ±4.0
Output level	dBµV	-	100 (IMD <sub>3</sub> -35 dB) 95 (IMD <sub>2</sub> -35 dB)	-	100 (IMD <sub>3</sub> -35 dB) 92 (IMD <sub>2</sub> -35 dB)	-	100 (IMD <sub>3</sub> -35 dB) 92 (IMD <sub>2</sub> -35 dB)
<b>ACTIVE MODE</b>							
Tap loss	dB±TOL	3 ±3.0	-2.5 ±4.0	4 ±3.0	-1 ±4.0	4 ±3.0	-1 ±4.0
Output level	dBµV	99 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 95 (IMD <sub>2</sub> -35 dB)	96 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 92 (IMD <sub>2</sub> -35 dB)	96 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 92 (IMD <sub>2</sub> -35 dB)
<b>ACTIVE / PASSIVE MODE</b>							
Tap equalization	dB	4	4	4	4	4	2
Rejection between bands	dB	> 20 TV/SAT > 65 SAT/TV					
Isolation between users	dB	> 20 TV > 20 SAT					
Isolation of switching	dB	> 30 SAT/SAT					
Switching the outputs		DiSEqC 2.0 14V $\overline{\overline{\text{---}}}$ / 18V $\overline{\overline{\text{---}}}$ 0/22 kHz					
Power supply of the LNB		1050 mA / 13 V $\overline{\overline{\text{---}}}$					
Output voltage	V $\overline{\overline{\text{---}}}$	13 V $\overline{\overline{\text{---}}}$					
Consumption from the receiver	mA	42 ±2.0 (14/18V $\overline{\overline{\text{---}}}$ )					
Operating temperature close to equipement	°C	-10..+65					
Room temperature with/without fan	°C	-10..+55/+45					
Protection index		IP 30					
Units per packing		1	5	1	5	1	5
Packing weight	Kg	0.16	1.28	0.30	2.00	0.40	2.50
Packing dimensions	mm	205 x 105 x 45	225 x 115 x 250	260 x 245 x 55	290 x 270 x 270	260 x 245 x 55	290 x 270 x 270