

ACU

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THE ACU MODEL IS A UNIVERSAL AND FLEXIBLE AUTOMATIC CHANGE-OVER UNIT DESIGNED FOR CONTROLLING FM RADIO AND TELEVISION TRANSMITTERS OR REPEATERS.

ACU INCLUDES A BASEBAND AND RF INTERNAL SWITCH. IT CAN ALSO CONTROL AN EXTERNAL HIGH POWER COAXIAL RELAY. IN CASE OF BREAKDOWN OF THE MAIN RF SIGNAL, THE EQUIPMENT OPERATES THE SUBSEQUENT SWITCH-OVER TO THE AUXILIARY SOURCE, THUS ENSURING CONTINUITY OF SERVICE.

THE INTERNAL COAXIAL RELAY ALLOWS SWITCH-OVER OF RF SIGNALS OF UP TO 350 W AVERAGE POWER UP TO 1 GHZ, AND 150W UP TO 3 GHZ. BY MEANS OF THE DEDICATED DB-25 CONNECTOR LOCATED IN THE REAR PANEL OF THE UNIT, IT CAN BE MATCHED WITH ANY TYPE OF EXTERNAL COAXIAL RELAY TO CONTROL ANY HIGH-POWER INSTALLATIONS.

THE UNIT, WHICH IS 100% MICROPROCESSOR-CONTROLLED, ALLOWS THE SOFTWARE-OPERATED CONFIGURATION OF ALL OPERATING PARAMETERS, SUCH AS LOW POWER THRESHOLD, WAITING AND SWITCHING TIME. THE GRAPHIC DISPLAY MAKES IT POSSIBLE TO CHECK THE PARAMETER SETTINGS AND THE OPERATIONAL STATUS OF THE SYSTEM.

AUTOMATIC OPERATION CAN BE DEACTIVATED FROM THE FRONT PANEL IN ORDER TO ALLOW THE MANUAL CONTROL OF SWITCHING. ALL BASE-BAND ROUTING IS MADE BY MEANS OF FULLY PASSIVE BISTABLE CIRCUITRY, IN ORDER TO GRANT THE SIGNAL CONTINUITY EVEN IN CASE THE CHANGE-OVER UNIT GETS DAMAGED.

THE UNIT FEATURES A DUAL INDEPENDENT MAINS POWER SYSTEM AND, AS A STANDARD, IT IS EQUIPPED WITH LOW VOLTAGE DC INPUT FOR BATTERY SUPPLIED SYSTEMS.

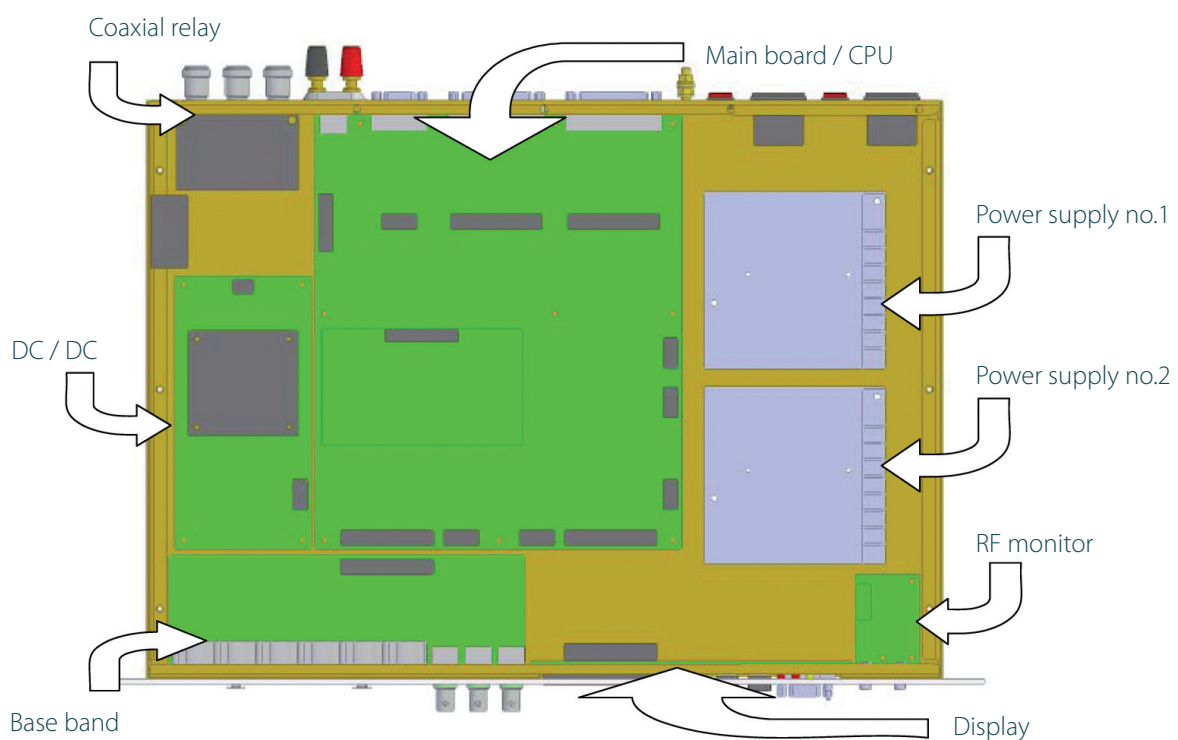


CODE	MODEL	DESCRIPTION
6001050615	ACU 1+1	Automatic changeover for FM & TV Equipment
6001050620	ACU 1+1	Automatic changeover for FM & TV Equip. with Switch 350 W
Available Options		Internal DC Input 24 V or 48 V

TECHNICAL DATA

Video A , Video B	BNC, 75 Ohm fully passive routing		
Audio stereo	Left A (main), Left B (aux), Right A (main), Right B (aux),		
Audio Connector	standard XLR fully passive routing		
Output Connector	N Type Female 50 Ohm		
Input Sensitivity	-30 dBm nominal \pm 20 dB		
Operating frequency	1 GHz		
Average output power	350 W		
Insertion loss	0.15 dB	2 Ghz	3 Ghz
V.S.W.R	1.15	250 W	150 W
Isolation between channels	85 dB	0.2 dB	0.25 dB

Parallel port	25 pin sub-D connector	1.20	1.25
Unit A and Unit B	Fully isolated INPUTS and OUTPUTS 80 dB 75 dB		
Can BUS (future option)	9 pin sub-D connector		
Serial RS232/RS485	9 pin sub-D connector (software selectable by user)		
Ethernet TCP/IP	RJ45 (optional)		
Temperature operating range	0° to 45° C (Meets ETS 300 019 requirements)		
Maximum relative Humidity	90% non condensing		
Dimensions (W x H X D) mm	482 x 44 x 450		
Weight	5 Kg		
Power consumption	Approx. < 50 VA		
Nr of power supply boards	2 from 230 V a.c. \pm 20%		
DC Power Supply	24 V or 48 V floating		



INTERNAL VIEW