

ACS (N + 1 SYSTEM)



THE ACS MODEL IS A UNIVERSAL AND FLEXIBLE AUTOMATIC CHANGE-OVER UNIT DESIGNED FOR CONTROLLING FM RADIO AND TELEVISION TRANSMITTERS OR REPEATERS. IN CASE OF DAMAGE OF ONE OF THE MAIN EQUIPMENT, THE ACS AUTOMATICALLY SWITCHES TO THE RESERVE EQUIPMENT.

THE EQUIPMENT CAN BE USED IN THE APPLICATIONS FOR ACTIVE AND PASSIVE RESERVE SYSTEMS, PRE- AND FINAL STAGE RESERVE, (N+1)-SYSTEMS AND FOR THE CONTROL OF ANTENNA SELECTOR SWITCHES. THE ACS IS DESIGNED TO CONTROL UP TO SIX SERVICE EQUIPMENTS AND ONE RESERVE ACCORDING TO (N+1)-SYSTEMS.

THE GENERAL SWITCHOVER CRITERIA AS WELL AS THE DELAY TIME BETWEEN MISSING RF SIGNAL AND SWITCHOVER, AND THE PRIORITY OF THE SURVIVE TRANSMITTER, ARE FREELY SELECTABLE.

ALL PROGRAM SPECIFIC SETTINGS OF THE SERVICE TRANSMITTER ARE EFFECTIVE IN CASE OF THE SWITCHING OVER TO THE RESERVE EQUIPMENT.

FURTHERMORE, MANUAL SWITCHOVER AND OPERATION OF THE EACH EQUIPMENT VIA THE ACS ARE POSSIBLE.

BY MEANS OF THE DEDICATED DB-25 CONNECTOR LOCATED IN THE REAR PANEL, THE EQUIPMENT CAN BE CONNECTED WITH ANY TYPE OF EXTERNAL COAXIAL RELAYS TO CONTROL 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 IS A TFT 6" COLOUR VGA AND MAKES IT POSSIBLE TO CHECK THE PARAMETER SETTINGS AND THE OPERATIONAL STATUS OF THE SYSTEM. THE ESTABLISHED OPERATING FIGURES AND THE STATUS OF THE TRANSMITTERS AND ANTENNAS, ARE RESPECTIVELY SYMBOLICALLY REPRESENTED IN THE GRAPHIC DISPLAY.

ALL THE CONNECTIONS TO THE COMPONENTS OF THE TRANSMITTER SYSTEM ARE ARRANGED IN THE REAR PART OF THE UNIT. THE UNIT FEATURES A DUAL INDEPENDENT MAINS SYSTEM AND OPTIONALLY INCLUDES A LOW VOLTAGE DC INPUT FOR BATTERY SUPPLIED SYSTEMS.



CODE

MODEL

DESCRIPTION

ACS

Automatic changeover System up to 6 FM & TV Equipment
Internal DC Input 24 V or 48 V

Available Options

TECHNICAL DATA

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| Controls | up to six service transmitters and one reserve transmitter in a (n+1)-system |
| Fast overview | operating status with LED's on the front panel |
| Status overview | TFT 6"VGA graphic colour display |
| 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 132 x 450 |
| Weight | 6 Kg |
| Power consumption | Approx. < 100 VA |
| Nr of power supply boards | 2 from 230 V a.c. ± 20% |
| DC Power Supply | 24 V or 48 V floating (optional) |

