

AS - 01 ASI Switch



AS - 01 Rev.2K7

GENERAL DESCRIPTION

The ASI Switch AS-01 can operate in two different ways: as a switch or as a selector.

The equipment can process up to three simultaneous input DVB-ASI signals and, depending on the selected configuration, the AS-01 enables one output DVB-ASI signal.

The Switch mode is used in networks with redundancy, for example in sites where a spare signal is available (satellite or fibre). Signals need to be connected at the input with a decreasing priority from A to C.

In case one of the inputs does not respect the stream identification parameters, automatically the following signal will be enabled in the output, guaranteeing the presence of the signal in the backbone.

It is possible to set up some parameters that identify unequivocally the stream at the input. These parameters are 2 PID (Program Identifier) to be searched between the programs present in the ASI input stream, the logical combination of the 2 PID (OR, AND, UP TO, NAND) and the time interval between 0.1 and 1.5 seconds during which the presence or lack in the input stream of the selected parameters is verified.

The Selector mode, useful together with a remote control unit of the equipment, allows to select for the output one of the input signals, disabling the functions of the switch (recognising of the PID, input priority).

The programming of the functions and the monitoring of the parameters can be done through the keyboard, through the LCD front panel or through an RS-485 interface.

FEATURES

- DVB-ASI data interface
- Up to 3 ASI input signals
- Two ASI outputs
- Hysteresis on switch configuration
- Input priority assigned
- Two operating mode:
 - Automatic (Switch)
 - Forced (Signal selector)
- Stream identification parameters selectable:
 - Two Program Identifier
 - PID Combination Logic
 - Search time (0.1 to 1.5 s)
- Equalised/amplified loophrough for each ASI input signal
- RS232, RS485 and SNMP remote control type possibility

SPECIFICATIONS

Switch/Selector:

Input data interface type: DVB-ASI

Number of inputs: 3

Input connectors: BNC Male 75 Ohm

Operating mode: Automatic (Switch)
Forced (Signal selector)

Priority: Input A > Input B > Input C (in automatic operation mode)

Search parameters: 2 program Identifier (PID)
PID Combination logic (OR, AND, UP TO, NOT)
Search time from 0.1 to 1.5 seconds

Hysteresis on switch: Depending on search time

Control:

Front Panel (LCD Display 20x2, Keypad)
RS-232
RS-485
SNMP

Electrical:

Power Supply Voltage: AC 230V/115V ±10% 50/60Hz
DC 22V to 65V

Maximum Power Consumption: 10 W

Physical:

Cabinet Rack: Width: 482 mm (19")
Height: 44 mm (1U)
Depth: 480 mm

Environmental:

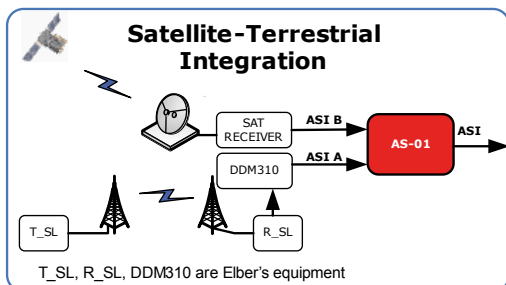
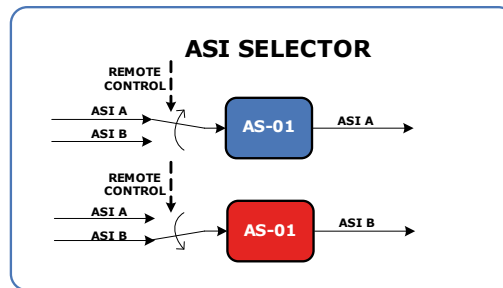
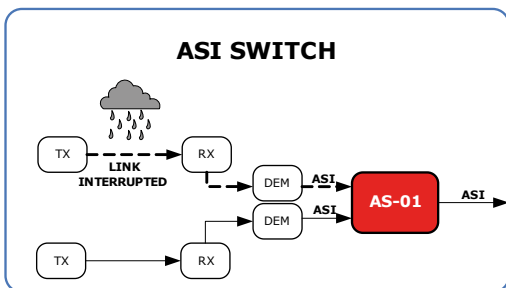
Operating Temperature Range: -10 to 65°C

Relative Humidity: 0 to 95%, non condensing

Compliance:

CE mark

APPLICATIONS



ORDERING INFO

AS/01/xx

AS/01/RS	RS232 & RS485
AS/01/SNMP	RS232 & RS485 & SNMP