

Transport Stream TSACO-1000 Automatic Changeover Switch



TRANSPORT STREAM AUTOMATIC CHANGEOVER SWITCH

DTV's TSACO-1000 is a fail safe protection switch that automatically prevents TV broadcasters from unexpectedly going off air. The TSACO-1000 enables a broadcast station to automatically switch from a primary transport stream to a backup transport stream in the event the primary fails. The Changeover Switch will accept inputs in either ASI or SMPTE 310.

Signal Health Monitoring

The primary and backup input streams are monitored to determine whether both inputs have valid packet headers sync bytes (47 hex). If the sync byte is lost on the primary input stream, the protection switch will automatically switch to the backup input.

Once the fault has been cleared on the primary, the broadcaster will be able to manually switch back to the primary input.

Features List

- > Receiver Maintains Sync lock During Transition
- > Two Inputs: Simultaneously Accepts either ASI or 310M
- > Autosensing: Detects input format & packet size
- > LED Status Indicators
- > Four Simultaneous Outputs: Two ASI and two SMPTE 310M
- > Signal Health Monitoring: Both input packet headers sync bytes (47 hex) are monitored
- > Manual input select reset and GPI/O
- > Relay bypass on primary input
- > Manual Reset Button
- > PCR Re-stamping
- > Dual Power Supplies

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INTERFACE SPECIFICATIONS

ASI

- Connector: BNC 75 ohm
- Data Rate: 270 MHz +/- 10ppm in, +/-3ppm out
- Logic Levels: 800mV +/-10%
- Data Rate: Accuracy:3ppm
- ASI Burst: 213 Mbps

SMPTTE 310M

- Connector: BNC 75 ohm
- Data Rate: 19.392658 Mbps
- Format: Bi-phase mark coding
- Max jitter: 1 ppm

ELECTRICAL SPECIFICATIONS

- Maximum Power: 25W
- Supply voltage range: 85-264 VAC/47-63HZ
- Power Plug: IEC-C-19
- Protection: 3A, 250V Fuse
- Cooling Fan Capacity: 6CFM back exhaust

PHYSICAL SPECIFICATIONS

- Height: 1.75 inches (44.45mm) 1RU
- Width: 19 inches (482.6mm)
- Depth: 9 inches (228.6mm)
- Weight: 3.5 lbs (1.59kg)
- Ambient Temperature Operating:
32-104°F (0-40° C)

