

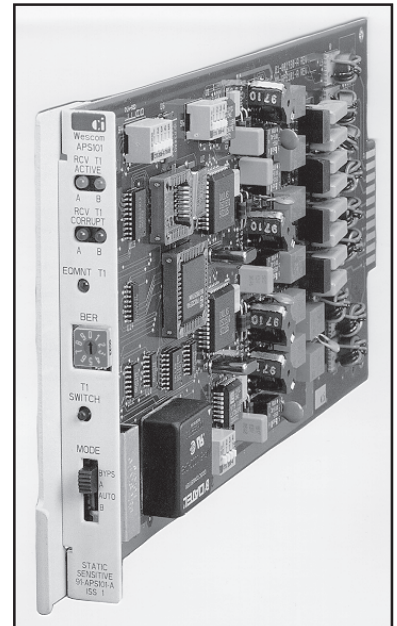
SurePath™ Products

APS101 Automatic Protection Switch (APS)

The T1 APS101 provides cost-effective self-healing networking in the event of out of frame, excessive bit error rate or loss of signal for any reason, including cable cuts, equipment failures or signal degradation.

Features

- Single module for two T1s in, one T1 out
- Line status monitoring
- Individual build-out controls for T1 network lines
- Temperature hardened
- Mounting versatility, offering easy integration
- Local and remote switching and manual override
- Switchable bit error rate thresholds
- AMI or B8ZS line coding
- Automatic detection of SF/ESF framing
- Automatic detection of AMI or B8ZS line coding
- Network side repeaterless up to 6000 feet
- Metallic bypass
- Individual switch selectable transceiver sensitivity
- T1 equalization of equipment line 0-655 feet and CSU levels (0, -7.5, -15 and -22 dB)



Automatic Protection Switch (APS) Shorting Connector

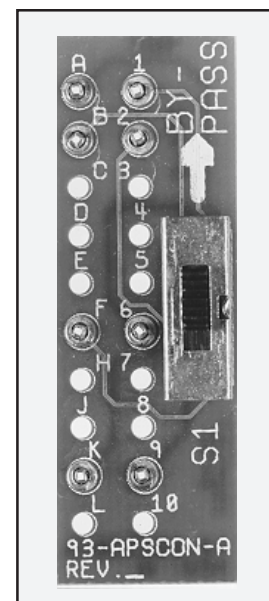
The APS Shorting Connector allows an APS (APS101) card to be removed without traffic interruption. By using this connector, the APS 101 has the versatility to be installed next to a 3192 repeater in a 3192 shelf.

Once the APS Shorting Connector is installed, a switch on the unit is used to turn the bypass option on and off. When in the bypass mode (on) the APS Shorting Connector reroutes the T1 signal, disabling the function of the APS card.

The APS Shorting Connector is transparent to the function of the APS card when it is not in the bypass mode (off) and therefore can be left installed.

Features

- Convenient T1 bypass for the Charles APS101
- Low profile for permanent use
- Durable design allows the unit to be used over and over
- Connects directly to the backplane of the Charles 3192-11 and 319-02 shelves



APS 101 Automatic Protection Switch Mounting Options

23" Shelf mountable in Charles STS 3192-11 shelf (except issue 4 shelf). The APS101 can populate the 3192-11 shelf alongside Charles STS modules. A fully loaded shelf offers protection for 56 T1s in, 28 T1s out. May also be used in the 3192-WR shelf.

19" Shelf mountable in Charles 319-02 shelf. The APS101 can populate the 319-02 shelf alongside Charles STS modules. A fully loaded shelf offers protection for 44 T1s in, 22 T1s out. May also be used in 319-04 shelf.

Charles Multiplexer 360-22 offers total redundancy of common cards and power supplies. The 97-001122-A kit, the cover mounted version of the APS101, comes complete with cover and card for easy retrofitting to currently installed base. This provides for two T1s in, one T1 out to the equipment. The 360-22 can be ordered with the APS factory installed.

48 VDC. The 97-001122-A, the cover mounted version of the APS101, can accommodate 48 VDC or 24 VDC in the 360-22.

Part Numbers

APS101	Charles APS101 Automatic Protection Switch
97-001122-A	Kit (Cover Mounted Version of the APS101)
93-APSCON-A	Charles Automatic Protection Switch (APS) Shorting Connector


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- A 24-hour technical hotline at (800) 607-8500
- Training courses covering fundamentals, engineering, installation and troubleshooting

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