

SPAN LINE PROTECTION SYSTEM
51A PROTEC-T

1. GENERAL

1.01 This section describes the function of the Culbertson Model 51A Protec-T T Carrier Span Line Protection Switching System.

1.02 Equipment installation and maintenance information is contained in the manufacturer's manual. A copy of this manual is furnished with every equipment order. Additional manuals are available on request from Culbertson Industries, 1053 E. Meadow Circle, Palo Alto, California, 94303, telephone number 415-327-6800.

2. DESCRIPTION

2.01 The Span Line Switching System provides continuity of service by switching traffic from failing T1 lines to operational spare lines before service is affected and without detection by the customer.

2.02 Span Line Switching may be used on any T1 carrier line carrying any type of traffic: VF channels, mixed data-voice, wideband data, etc. The 51A Protec-T System monitors from 1 to 24 T1 repeatered lines and, when a failure is detected, automatically routes traffic over spare lines.

2.03 When intermittent problems clear, or troubles are cleared by maintenance forces, the system restores traffic automatically to the working span lines. Restoration may be delayed and manually restored, as an equipment option, if desired.

2.04 The 51A Protec-T System may be used in either terminal-to-terminal applications or in span-to-span applications.