7.3 Rear Panel Connections

Note: Depending upon which options are installed, some or all of the outputs may be present in your changeover unit.

Safety Grounding (chassis)

On/Off button
Power switch
ON: When "I" is pressed.
OFF: When "0" is pressed.

Power Connector
Inlet power connector.

REMOTE
Connector for remote control of the changeover unit. The remote connector is of the ground closure type.

PT 5210 1/2
Control connector used with a special cable to connect the two PT 5210 VariTime™ Digital Sync Generators in the setup to the changeover unit. Which generator is SPG1 and which is SPG2 is defined by how this cable is connected. The identification is printed on the cable connectors.

BNC connectors
BNC connectors are used on all the unbalanced channels. The connectors are arranged in groups of three, each identified by an number corresponding to a the changeover channel. The standard unit includes the Channels 1 to 4. Up to 12 channels can be installed in the form of optional units.

IN1:
Connector to be used for the signal from the SPG1 generator.
IN2:
Connector to be used for the signal from the SPG2 generator.
OUT:
Connector with the selected output from either SPG1 or SPG2.

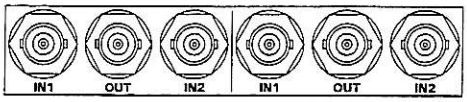

Fig. 7-3 PT 8617 Option

7.3.1 PT 8618 - Option

XLR connectors
XLR connectors are used for output at the balanced signal channels of the changeover. These channels are only available when the PT 8618 option has been installed.

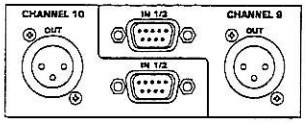

Fig. 7-4 PT 8618 Option

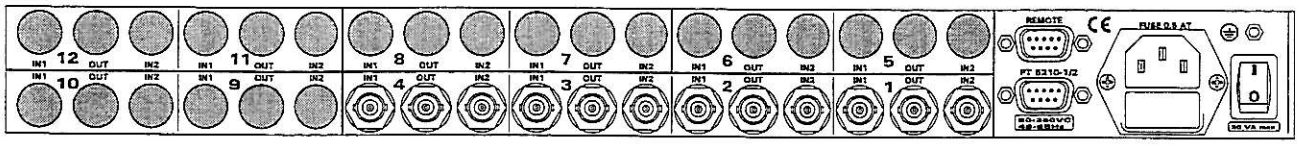

Fig. 7-2 Rear of the Instrument (Basic Instrument)

6.2.2 PP2 - Change Over

PP2 enables the "one time switching only function" in AUTO mode.

When multiple switching is selected and a short circuit appears downstream from the changeover, the error can not be corrected and the changeover will start switching back and forth between the two sync generators. This can be overcome by use of the "one-time switching only" function.

When an error is detected in the primary sync generator, the changeover switches to the backup unit. The changeover will then switch back to the primary if the error flag from the primary disappears as long as "multiple switching" is selected. The changeover will not switch back when this happens if "one-time switching only" is selected.

FRONT position: (*factory default setting*)
Selects single time switching.

BACK position:
Selects multi time switching only.

6.2.3 PP3 - Alarm

The alarm relay with contacts connected to the remote connector can be programmed to operate in two different ways. The alarm relay can only be activated when the changeover is used in the AUTO mode or when the alarm relay is enabled in both MANUAL and AUTO mode. The alarm indicates that a fault has occurred. The function is latched and has to be reset at the front of the instrument.

Resetting the alarm relay
The alarm relay is reset by selecting MANUAL, or by designating one of the generators as primary.

To reset press:
HOLD TO MODIFY plus **MANUAL**
or
HOLD TO MODIFY plus **SYNC GEN. 1**
or
HOLD TO MODIFY plus **SYNC GEN. 2**

By choosing the mode already active the alarm relay can be reset without changing to changeover signal routing.

Note: The alarm can not be reset if the error signal from the PT 5210 is still active. It is not possible to disable the alarm relay function completely.

FRONT position: (*factory default setting*)
Alarm relay enabled in both auto and manual mode.

BACK position:
Alarm relay enabled in auto mode only.