PAP950-50 OPERATING NOTES

This document describes the operation of the PAP-950-50 panel with ADAM series matrix, using version 7.3.x software. This software allows the panel to operate in one of 2 modes: IFB (default input assignment) and X-Y (manipulation of force and inhibit tables).

Keys

The panel has 120 keys. These are divided into four groups.

- 50 input keys
- 50 output keys
- 10 block select keys (G1-G10)
- 10 function keys (F1-F10)

In general, the block select and function keys select the operating mode of the panel, while the input and output keys are used to display and change the selected configuration information.

Block Selection

The 50 input keys allow any 50 inputs at a time to be shown or selected. The block select keys allow a different block of 50 inputs to be chosen, to allow access for matrices bigger than 50x50.

There is always a current input block, which is indicated by the LED in the appropriate key. Pressing another block key selects a new set of 50 inputs; the block keys are latching.

Block select key G9 is reserved for output block selection. In a similar manner to input block selection, there may need to be access to more than 50 outputs (or IFB's). While the output block key is held, the block select keys select keys G1-G8 display the current output block and allow a new one to be selected. Output block selection is not yet implemented.

Block select key G10 is the program input key. This key acts as a 51st input key, allowing access to the program input which is a part of each 51x50 crosspoint block.

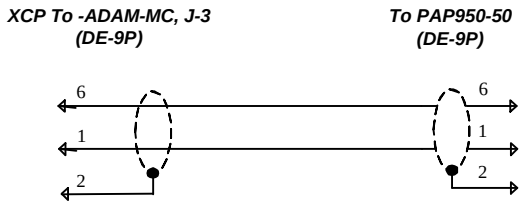
Function Selection

The panel operates in one of 3 modes: off, IFB, or X-Y. Function keys F4-F9 select the operating mode: F9 selects IFB mode, F8 selects X-Y mode, and F4-F7 (unassigned keys) disable the panels operation.

F10 is the change enable key. It currently has no function: it is on in IFB or X-Y mode and off otherwise. (winks if no M/C communication) It is reserved to provide an alternate operating mode that allows the system configuration to be displayed without accidentally making changes.

F2 and F3 are used only in X-Y mode. F2 selects the force crosspoint table, while F3 selects the inhibit crosspoint table.

F1 is the clear key. It is lit whenever an input key for which there is no corresponding output is pressed, and vice versa.



Data Interconnect Cable

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Function Key Summary

G1-G8	Input block select. G1 selects inputs 1-50, G8 selects inputs 351-400
G9	Output block select. (Not implemented)
G10	Program input
F1	Clear
F2	Force (X-Y mode only)
F3	Inhibit (X-Y mode only)
F4-F7	Unassigned. Disables panel
F8	X-Y mode
F9	IFB mode
F10	Change enable. (Not implemented)

IFB Mode

In IFB mode (F9 lit), the panel allows program inputs to be examined and modified. The output keys select the IFB; the input keys select the default input.

Pressing an output (IFB) key lights the appropriate input key to display the default input for that IFB; the clear key lights if there is no default input. The input block is changed to that block of which the default input is part.

Pressing an input key lights the output key for each IFB which has that input as its default input; the clear key lights if the input is not the default input of any IFB.

Pressing the clear key lights the output key for each IFB that does not have a default input.

The default input for an IFB can be set by pressing the output key for that IFB and the appropriate input key at the same time. If the keys are released and pressed again, the default input is removed. The clear key cannot be used to remove the default input from an IFB.

X-Y Mode

In X-Y mode (F8 lit), the panel allows examination on modification of the crosspoint force and inhibit tables. F2 selects the force table; F3 selects the inhibit table.

Pressing an input key lights the key for each output for which the corresponding crosspoint is forced (inhibited); the clear key lights if there are no such outputs. Similarly, pressing an output key shows which inputs are forced (inhibited) to that output.

Pressing the clear key shows which inputs have no outputs forced (inhibited).

A crosspoint is forced (inhibited) by pressing the corresponding input and output keys at the same time. Pressing the keys again clears the force or inhibit.

Notes

In X-Y or IFB mode, the corresponding key (F8 or F9) is lit to indicate the function. If the panel is not being polled by the intercom master controller, the LED will wink approximately once a second; if it is being polled, the LED will be solid.

In X-Y mode, the panel only deals with a 51x50 portion of the matrix. If the panel is connected to a CS9600 or CS9700 intercom, it only handles a portion of the matrix at a time; the clear key will light to indicate that a particular input or output has no crosspoints forced (inhibited) within that portion of the matrix, even though there may be more crosspoints forced (inhibited) for that input or output in a different portion of the matrix.