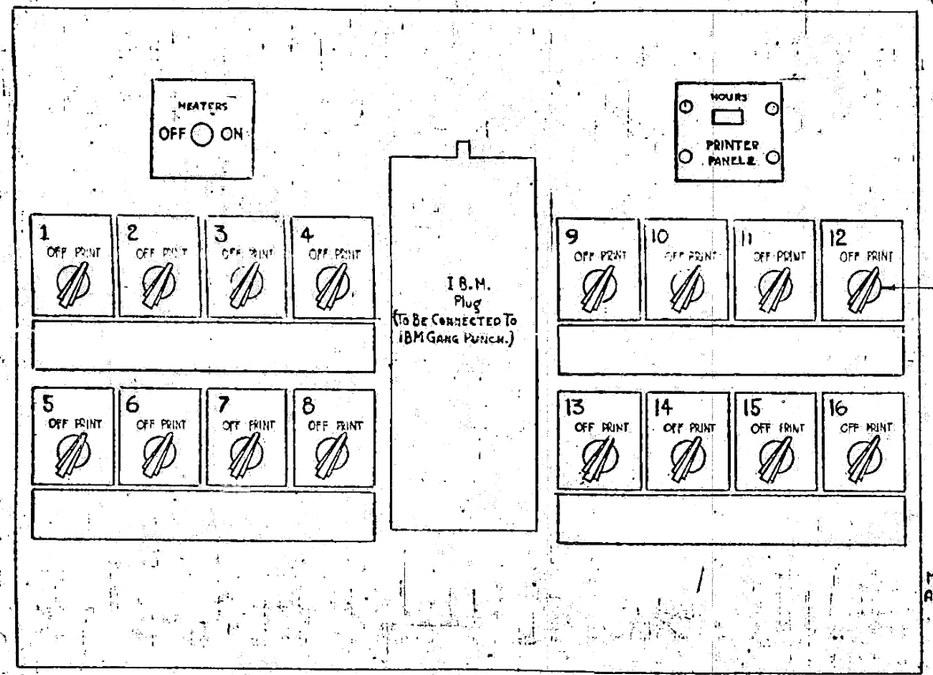


General Explanation of Printer

The printer operates from the static outputs of accumulator and master programmer decades. The cables connecting the decade static terminals to the printer lie in a trough at the top of the front of the machine. A table, showing the original set of connections, appears on PX-12-301. Every accumulator decade and FM unit and every master programmer decade has a static output terminal.

The numbers to be printed are divided into sixteen groups of 5 digits and a FM, numbered from 1 to 16. The printing switches determine which groups are connected to the IBM gang punch. Drawing PX-12-305 shows the IBM gang punch plug board and gives instructions for connecting it up.

Any group of five digits and a FM may be connected to an adjacent group by means of the coupling switch, so that 10 digit, 15 digit, etc. numbers may be punched.

When the number to be printed is a complement (i.e., the FM counter registers 1), the true value of the number is punched along with an 11 punch to indicate that it is negative.

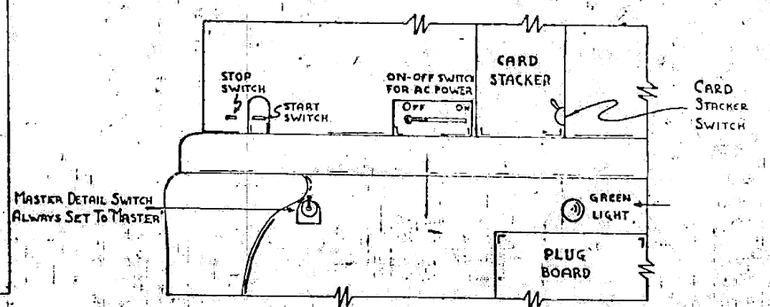
Whenever information in the master programmer is printed adaptor PX-12-114 B must be used at the printer plugs on panel 2 so as to ground the unused FM lead going into the printer.

The printer is programmed from the initiating unit (see PX-9-302). Controls on the IBM gang punch are explained on PX-12-305.

Printing switch

This switch connects (in the "Print" position) or disconnects (in the "off" position) the voltage supply to the buffer tubes of its group, so that these tubes do (or do not) operate the relays when the printer is programmed. For the group of digits to be punched it is necessary not only that this switch be set to "print" but also that proper connections be made on the IBM gang punch plug board (see PX-12-305).

This switch must be turned off if the decades to which the group is connected are not turned on.



MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

PRINTER FRONT PANEL NO. 2

MATERIAL	FINISH	

Drawn by:	Checked by:	Approved by:	
J. EDELSACK DEC. 1944	aws 1/11/45		PX-12-302

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