

Oscilloscope on which can be seen the cycling unit pulses and gates, the selective clear gate (SCG) (when it is programmed), or any external signal transmitted to the terminal marked "Ext.". The cycling unit pulses and gates to be seen are shown on the accompanying chart, behind which are the oscilloscope adjustments. The oscilloscope input switch selects the signal to be shown on the oscilloscope. A signal may be transmitted to the terminal "Ext." on a program line which has no load box.

Oscilloscope Switch to turn oscilloscope off when not in use.

Operation Selector Switch
The control by this switch and the 1 pulse - 1 add. push button is the same as that provided by the switch on the cycling unit front panel. Note: The switch which is not being used must be set to "1 pulse".

1 Pulse-1 Add-Push Button

Heater switch

Heater clock

Push button for 1 pulse time or one addition time.

PA - Terminal for paralleling this push button

Operation selector switch

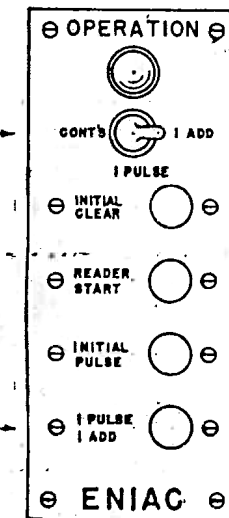
1A and Cont. - Terminals for paralleling the operation selector switch

The cycling unit has three modes of operation, selected by the switch or its associated terminals (1A, Cont.):

- 1) Cont. - The pulses and gates are given out continuously.
- 2) 1 Add. - The pulses and gates for one addition time are emitted whenever the push-button for 1 pulse time or 1 addition time is pushed.
- 3) 1 Pulse - The pulses and gates for one pulse time are emitted whenever the push-button for 1 pulse time or 1 addition time is pushed.

Portable push buttons may be used in connection with terminals PA, 1A, and Cont. These may be plugged into a program line which has no load box and that line plugged into the terminals.

- 1) A push button connected to PA parallels the 1 pulse and 1 Add. push button.
- 2) Push buttons connected to 1A and Cont. enable the operator to parallel the operation selector switch. When this switch is set to the 1 Pulse position, holding closed the button connected to 1A gives the 1 addition time mode of operation, while holding closed the button connected to Cont. gives continuous operation.



Green Pilot Light
Same as on Initiating Unit
Front Panel

Push Buttons
Control provided is the same
as provided by corresponding
push buttons on Initiating
Unit Front Panel - See PX-9-302.

Portable Control Station

MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

CYCLING UNIT FRONT PANEL

MATERIAL FINISH SCALE

Drawn by
J. EBELSACK
DEC 1944

Checked by:
GWB 11/1/45

Approved by

PX-9-303