

DIGITAL COMPUTER

INITIAL ORDER CONTROL

1. When first switched on the computer may be started by pressing the start switch down and waiting for a clock pulse (all alarm circuit and notes)
2. The other method of starting, when the key is pressed up only operates under three conditions: when the computer is expecting a space: when a finish order is in: when a pseudo finish order is in.
3. When relay JSA (finish) is in earth from JS9 is passed over JSA 2.3 checks that the alarm is reset (Q. relays) and goes to operate JRP. JRP 2.3 earths the ~~order~~ completed line to clear out the previous order, and initiates the initial orders.
4. Relay QF may be put in by the finish switches, this diverts the earth of the order completed line to operate JSA, which resets the alarm relays QAA - QAD and hence earths JRP.
5. When the computer awaits a space at the start of an order an earth is available from OB.2 (only at this time in the sequence) which can be used to reset the alarm and operate JRP.
6. The relay train JA to JF is normally cycled twice (controlled by JOR, JOB) marking out a search order (03101) followed by a transfer control (02101). Relay JOA determining which one. When the manual switch is down relay JA advances the count by JOA, JOB instead of JF, this causes only a transfer order to be marked out.