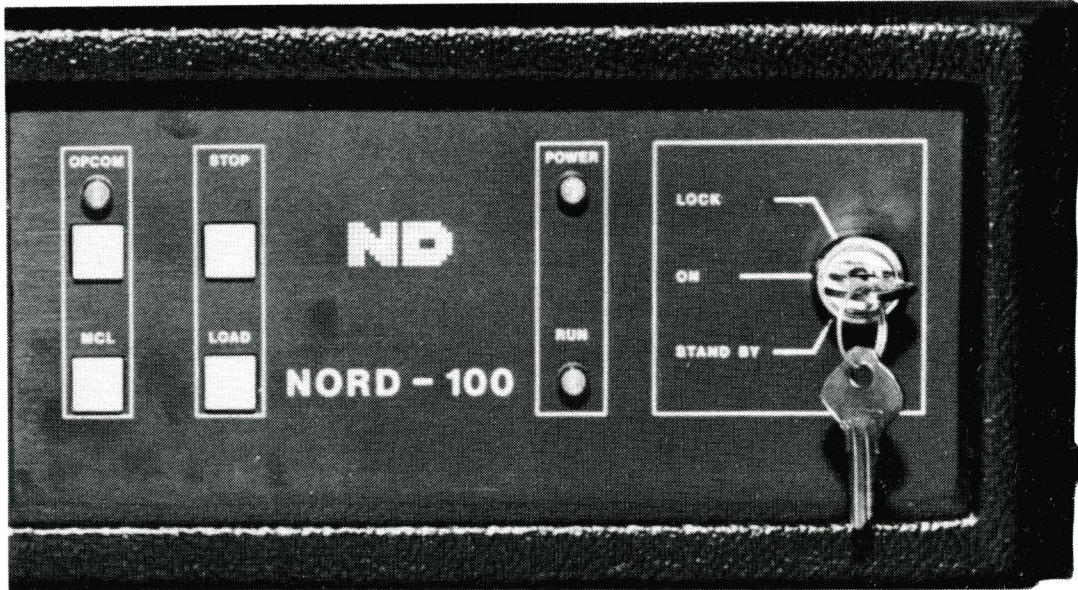# ND 033    OPERATOR'S PANEL, NORD-100

## INTRODUCTION

The ND 033 — Operator's Panel is one of the possible communication links between the operator and the NORD-100 computer.

## PRODUCT DESCRIPTION

The Operator's Panel has the following elements:
- Panel lock key
- Four control buttons
- Three status indicators

### Panel Lock Key

The Panel Lock Key has three positions:

i.   LOCK
When placed in this position, the operator's panel control switches are disabled. This is the normal position for an operating machine. Main power is applied to the computer.
**Note:**   Automatic restart may be initiated after power failure only if the lock key is switched in this postion.

ii.   ON
In this postion the panel switches can be operated. Main power is applied to the computer.

iii.   STAND-BY
In this postion the main power is disabled. Stand-by voltage is applied to memory and display.

### Control Buttons

OPCOM
When activated, the CPU will be set in Operator's Communication Mode. This mode is reset by pressing ESC on the console terminal.

MCL (MASTER CLEAR)
When activated, the microprogram will initiate a CPU self test and apply Master Clear level to various parts of the CPU and input/output system. The STOP mode will be entered and the OPCOM light will be lit.
**Note:**   Pressing this button may destroy the running program.

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## STOP
Pressing this switch, the CPU will enter the stop mode and the OPCOM lignt will be lit. Current executing instruction will be conpleted before the stop mode is entered. Program will continue when key is pressed on console terminal.

## LOAD
When this switch is pressed, a microprogram sequence is initiated, i.e. a load sequence is initiated from the device indicated by the Automatic Load Descriptor (ALD).

## Status Indicators
### POWER ON
Indicates that + 5V is present in the rack.

### RUN
Indicates that the CPU is running.

### OPCOM
Indicates that the Operator's Communication Microprogram is running. This light may also be lit in RUN-mode by pressing the OPCOM-button. (OPCOM and RUN are lit at the same time). The OPCOM light will always be lit when the computer is not running.

**Note:** When OPCOM and RUN are lit at the same time, input from the console terminal will only interact with the OPCOM microprogram. Output to console may come from OPCOM or the active program.

**Note:** NORSK DATA reserves the right ro change specifications at any time without given notice.