Title:

# GENERAL INFORMATION FOR TCP 701

A/S REGNECENTRALEN

RC SYSTEM LIBRARY: FALKONERALLE 1 DK-2000 COPENHAGEN F

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Abstract:

This paper contains general information about the Diagnostic Panel, TCP 701, to RC 3603 CPU.


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CONTENTS

The Diagnostic Panel to the RC 3603 CPU contains all the function switches and displays all the information needed to operate the CPU. The function and data switches on the console allow the operator to perform many useful operations and the lights reflect the current state of the machine. If a light is lit, it means the corresponding bit is 1. If the light is not lit, the corresponding bit is 0.

On fig. 1.0 is shown the physical outline of the Diagnostic Panel TCP 701.

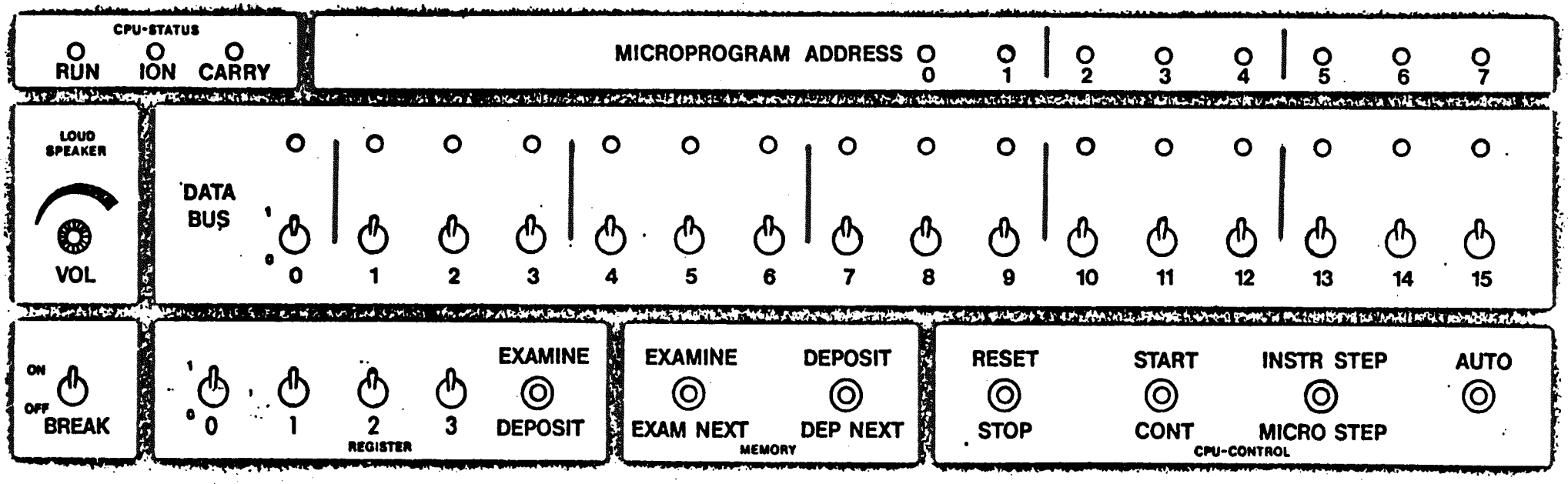


Fig. 1

TCP 701

p.2

## SPECIFICATIONS 2

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### Electrical Specifications 2.1

DC power consumption: + 5V $\pm$ 5% 2A

### Environmental Specifications 2.2

Ambient Temperature: 10-40°C (50-104°F)

Relative Humidity: 20-80% (no condensation)

### Physical Specifications 2.3

Height: 119 mm

Width: 376 mm

Depth: 53 mm

Weight: 1.7 kg

On fig. 3.1 is shown the connection between CPU 708 and the Diagnostic Panel TCP 701. The TCP 701 is connected to the edge connector 1001 on the CPU board and power supplies from the CPU.

Before connecting TCP 701 to or removing TCP 701 from the CPU, secure that the ENABLE TCP switch on the CPU Front Panel is in the upper state, else the operation may disturbe the program execution.

CAUTION: Before removing or connecting TCP 701 to CPU 708, secure that the TCP 701 connector is not site sliced in relation to the CPU 708 - 1001 connector.

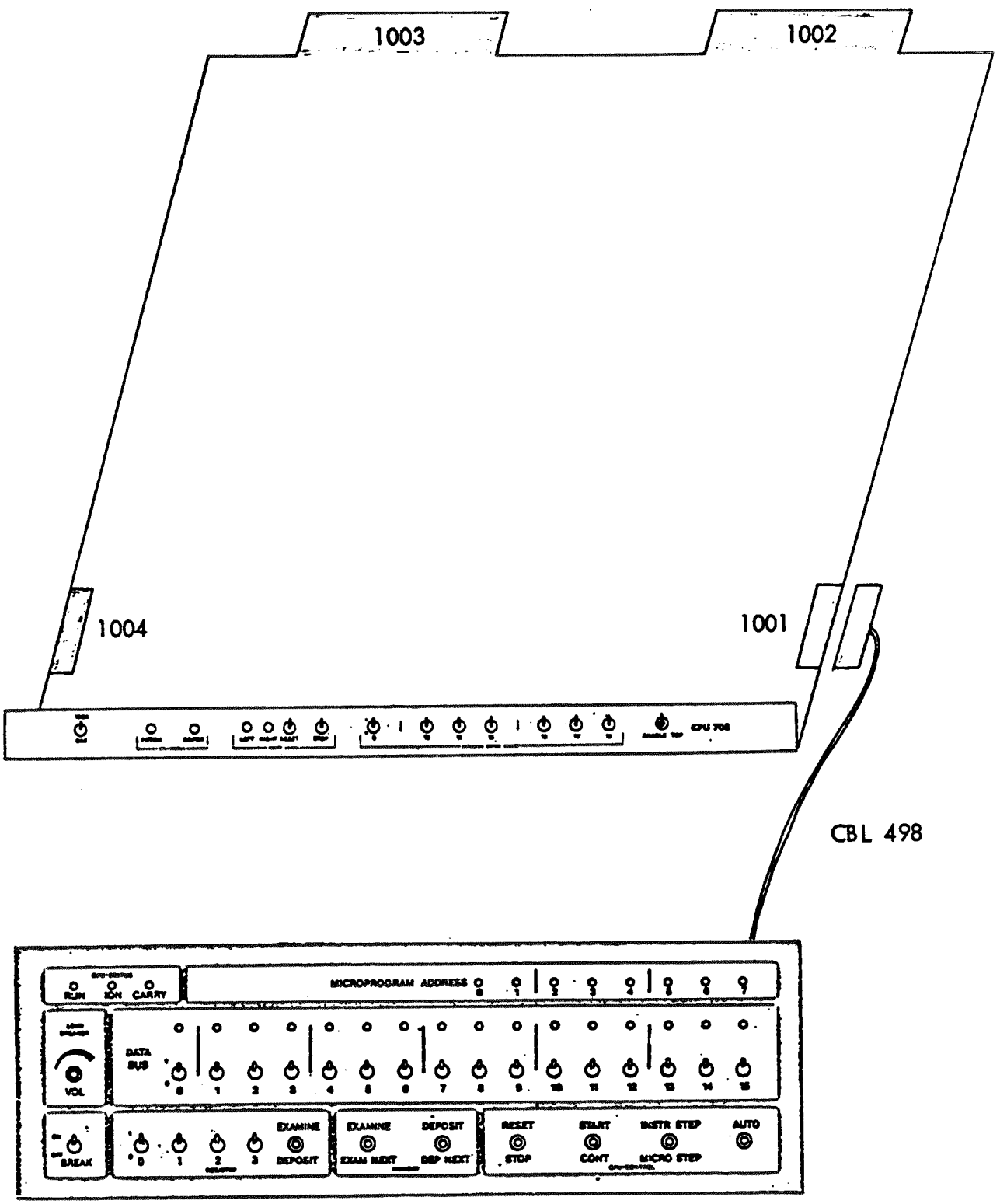


Fig. 3.1 System Outline, Figure.

Test configuration: RC 3603
Diagnostic Panel TCP 701
Min. 32K bytes memory

## CONSOLE STATIC TEST 4.1

1. Deposit and then examine 000000 in location 0
2. Deposit and then examine 177777 in location 0
3. Deposit and then examine 000000 in AC 0-15
4. Deposit and then examine 177777 in AC 0-15
5. Deposit 000001 in AC0
6. Deposit 000002 in AC1
7. Deposit 000004 in AC2
8. Deposit 000010 in AC3
9. Deposit 000020 in AC4
10. Deposit 000040 in AC5
11. Deposit 000100 in AC6
12. Deposit 000200 in AC7
13. Deposit 000400 in AC8
14. Deposit 001000 in AC9
15. Deposit 002000 in AC10
16. Deposit 004000 in AC11
17. Deposit 010000 in AC12
18. Deposit 020000 in AC13
19. Deposit 040000 in AC14
20. Deposit 100000 in AC15
21. Examine AC 0-15 and verify step 5-20
22. Deposit 000000 in location 0
23. Raise START/CONTinue switch to START.
    RUN indicator and FETCH indicator should lit.

24. Push RESET, and the RUN and FETCH indicators should not lit.

25. Repeat step 23-24, but push STOP instead of RESET; the result should be the same as in step 24.

26. DEPOSIT NEXT - EXAMINE AC4 (PC) several times and check that PC increments.

27. EXAMINE NEXT - EXAMINE AC4 (PC) several times and check that PC increments.

28. Deposit 000001 in location 0

29. Deposit 000002 in location 1

30. Deposit 000003 in location 2

31. Deposit 000000 in location 3

32. Deposit 000002 in AC5

33. Deposit 063077 in AC6

34. Set all data switches to zero and push START

35. SET the BREAK switch and verify that the CPU is stopped (executing a HALT) and the information on the data lights should be 063077.

36. EXAMINE AC4 (PC) and verify that the contents is 000003

RC3600 INSTALLATION MANUAL

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The RC3600 Installation manual should be found as a seperate item in the Documentation Package.

Dwg. no. R21124

Reference to RC3600 Installation manual.
770913 OS