Hitachi BIOS:

1) Press with three fingers the screen on the bottom left, upper left and upper right corner.
2) Press in the bottom middle the OFFLINE button.
3) Press on the **MAIN MENU** button **1** for I**NITIALIZE**
4) Press **1** for **SYSTEM ENVIRONMENT SETUP**
5) Press **1** for **SYSTEM SETUP**

   a) STAND BY MODE TIME   (0-255)   [0] MINUTE
   b) START TIME (0-255)   [2] SECOND
   c) TOUCH BUZZER SOUND   ON
   d) BUZZER TERMINAL OUTPUT   ON
   e) PASSWORD (0-9999)   [0]
   f) DATE TYPE OF SCREEN NO.   BIN

6) Press **SET** to save setting
7) Press **2** for **SYSTEM AREA SETUP** (yellow = active, black = not active)

   a) CURRENT SCREEN NO.   active
   b) ERROR STATUS   active
   c) CLOCK DATA   active
   d) STATUS   active
   e) RESERVED   active
   f) CHANGE SCREEN NO.   active
   g) DISPLAY ON/OFF   not active
   h) CLOCK DATA   not active
   i) CONTROL   not active
   j) RESERVED   not active
   k) WINDOW CONTROL   not active
   l) WINDOW REG. NO.   not active
   m) WINDOW LOCATION   not active

8) Press **CONFIRM** to save setting
9) Press **3** for **GLOBAL WINDOW SETUP**

   a) GLOBAL WINDOW   DO NOT USE

10) Press **SET** to save setting
11) Press **4** for **CHARACTER STRING DATA SETUP**

   a) CHARACTER STRING DATA MODE   [1]

12) Press **SET** to save setting
13) Press on the **INITIALIZE** frame
14) Press **2** for **SET UP I/O**

   a) COMMUNICATION RATE   19200
   b) DATA LENGTH   7
   c) STOP BIT   1
   d) PARITY   EVEN
   e) CONTROL   ER-CNTRL
   f) COMMUNICATION FORMAT   RS232C

15) Press **SET** to save setting
16) Press **2** for **SET UP PRINTER**

   a) PRINTER TYPE   NEC PR SERIES

17) Press **SET** to save setting
18) Press **3** for **SET UP TOUCH PANEL**
   a) TOUCH OPERATION MODE   TWO POINTS
   b) FORCE RESET   ON
   c) CONTRAST ADJUSTMENT   ON
   d) BRIGHTNESS ADJUSTMENT   ON
19) Press **SET** to save setting
20) Press **4** for **COMMUNICATION SETUP**
   a) RECEIVE TIMEOUT (1-127)   [10] SECOND
   b) RETRY COUNT 8 (0-255)   [2]
21) Press **SET** to save setting
22) Press on the **INITIALIZE** frame
23) Press on **3** for **PLC SETUP**
   a) SET UP OPERATION SURROUNDING   1:1
   b) Press 1 for **SET UP OPERATION SURROUNDINGS**
      i) STARTING ADDRESS OF SYSTEM DATA AREA   [WR0000]
      ii) UNIT NO.   [0]
      iii) SYSTEM AREA   READING AREA SIZE (0-256)   [0]
24) Press **SET** to save setting
25) Press **RETURN** to save setting
26) Press **5** for **SET UP TIME**
   a) Adjust the time and date
27) Press **6** for **SET UP SCREEN**
   a) INIZIAL SCREEN NO.   (1-8999)   [B501]
   b) ALARM MESSAGE   V SIZE   4
        H SIZE   4
   c) ONLINE ERROR DISPLAY   ON
   d) FONT SETTING   I-ASCII
   e) KANJI FONT QUALITY   HIGH
28) Press **SET** to save setting
29) Press on the **MAIN MENU** frame
30) Press 4 **RUN**