SE-S10
Electronic Cash Register

User's Manual

START-UP is QUICK and EASY!
Simple to use!
20 departments and 500 PLUs
Automatic Tax Calculations
Calculator function

CASIO COMPUTER CO., LTD.
6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan
Thank you very much for purchasing this CASIO electronic cash register.
START-UP is QUICK and EASY!
Part-1 of this User’s Manual can help you make a quick start.
Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

Original Carton/Package
If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Location
Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

Power Supply
Your cash register is designed to operate on standard household current (120V, 220V, 230V or 240V; 50/60Hz). Do not overload the outlet by plugging in too many appliances.

Cleaning
Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out. Be sure that the cloth is thoroughly wrung out to avoid damage to the printer. Never use paint thinner, benzene, or other volatile solvents.

The mains plug on this equipment must be used to disconnect mains power. Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.
Safety precautions

• To use this product safely and correctly, read this manual thoroughly and operate as instructed. After reading this guide, keep it close at hand for easy reference.
  Please keep all informations for future reference.
• Always observe the warnings and cautions indicated on the product.

About the icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. The icons and definitions are given below.

⚠️ Indicates that there is a risk of severe injury or death if used incorrectly.
⚠️ Indicates that injury or damage may result if used incorrectly.

Icon examples

To bring attention to risks and possible damage, the following types of icons are used.

⚠️ The △ symbol indicates that it includes some symbol for attracting attention (including warning). In this triangle the actual type of precautions to be taken (electric shock, in this case) is indicated.

🚫 The ☯ symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.

⚠️ The ● symbol indicates a restriction. In this symbol the type of actual restriction (removal of the power plug from an outlet, in this case) is indicated.

⚠️ Warning!

Handling the register

Should the register malfunction, start to emit smoke or a strange odor, or otherwise behave abnormally, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
  • Contact CASIO service representative.

🚫 Do not place containers of liquids near the register and do not allow any foreign matter to get into it. Should water or other foreign matter get into the register, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.
  • Contact CASIO service representative.

🚫 Should you drop the register and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.
  • Attempting to repair the register yourself is extremely dangerous. Contact CASIO service representative.

🚫 Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.
  • Contact CASIO service representative for all repair and maintenance.

Power plug and AC outlet

Use only a proper AC electric outlet. Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.

⚠️ Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.
  • Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.
INTRODUCTION

⚠️ Warning!

Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.

Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and short circuit, which creates the danger of electric shock and fire.

- Contact CASIO service representative whenever the power cord or plug requires repair or maintenance.

⚠️ Caution!

Do not place the register on an unstable or uneven surface. Doing so can cause the register — especially when the drawer is open — to fall, creating the danger of malfunction, fire, and electric shock.

Do not place the register in the following areas.
- Areas where the register will be subject to large amounts of humidity or dust, or directly exposed to hot or cold air.
- Areas exposed to direct sunlight, in a close motor vehicle, or any other area subject to very high temperatures.

The above conditions can cause malfunction, which creates the danger of fire.

Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause short circuit or breaking of the power cord, creating the danger of fire and electric shock.

Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug.

Never use detergent to clean the power cord, especially power plug.

Keep small parts out of the reach of small children to make sure it is not swallowed accidentally.

Disposing of batteries:
Make sure that you dispose of used batteries in accordance with the rules and regulations in your local area.
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Basic Components and Accessories

Printer cover
Operator display
Mode switch
Keyboard
Drawer

Accessories
Roll paper 1 pc
Mode keys
Drawer keys 2 pcs
User's manual 1 pc
Fixing hook (M drawer model only) 2 pcs
Magnetic plate* 1 pc

* Use this plate for tacking the notes received from customer.

Weld lines
Lines may be visible on the exterior of the product. These are “weld lines” that result from the plastic molding process. They are not cracks or scratches.
Getting to know your cash register

Mode Switch

The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM key (marked PGM) can be select any Mode Switch setting, while OPERATOR key (marked OP) can be used to select OFF, REG or CAL only.

OFF
In this position, the power of the cash register is off.

REG (Register)
This is the position used for registration of normal transactions.

RF (Refund)
This is the position used for registration of refunds.

CAL (Calculator)
This is the position used for calculator mode.

PGM (Programming)
This is the position used to program the cash register to suit the needs of your store.

X (Read)
This is the position used to produce reports of daily sales totals without clearing the totals.

Z (Reset)
This is the position used to produce reports of daily sales totals. This setting clears the totals.

Display

Operator display

Customer display

1 Department Number Display
Anytime you press a department key to register a unit price, the corresponding department number appears here.

2 PLU Number Display
Anytime you perform a PLU registration, the corresponding PLU number appears here.

3 Number of Repeat Display
Anytime you perform “repeat registration” (page 14), the number of repeats appears here. Note that only one digit is displayed for the number of repeats.

4 Numeric Display
Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8 digits.
This part of the display can be used to show the current time or date between registrations (page 40).

5 Character Display
In the character programming (P2) mode, it shows the last entered character. The total (T) or change (C) appears when a subtotal, total, or change is obtained. In the paper saving mode, it shows #.
Keyboard

Certain keys have two functions; one for register mode and one for calculator mode. In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

1. FEED Feed key
2. AC C Multiplication/ Date Time key
3. AC C Clear key
4. PLU Minus/ Error Correction key
5. PLU PLU (Price Look Up) key
6. PLU Reference Number/Department Shift key
7. PLU Percent/Cashier ID No. Assignment key
8. PLU Received on Account key
9. PLU Paid Out key
10. PLU Charge key
11. PLU Check/No Sale key
12. PLU Subtotal key
13. PLU CH/AMT Cash Amount Tendered key
14. PLU 0, 1, ~ 9, 00 Numeric keys and 2-zero key
15. PLU Decimal key
16. PLU 1, 2, 3, 4, 5 Department keys

• Department 6 through 20 are specified by pressing the PLU key respectively as follows:
  - 1 ~ 5 → Department 6 ~ 10
  - 6 ~ 10 → Department 11 ~ 15
  - 11 ~ 15 → Department 16 ~ 20

Paper saving key

Paper saving key is the key to save printing paper (Journal compressed printing/ No receipt issuing). In these cases, "*" is lit on the character display.

Post receipt key

Post receipt key is used for issuing receipt after transaction. This key is effective if the printer is defined as printing receipts. Refer to page 38.

Tax Program key

Help key is used for issuing assistant receipts such as programming date/time, paper installation etc.

Calculator Mode

3. AC AC AC key
7. % % Percent key
8. % % Memory Recall key
11. CH/AMT Drawer Open key
13. = = Equal key
14. 0, 1, ~ 9, 00 Numeric keys and 2-zero key
15. . Decimal key
16. +, -, *, / Arithmetic Operation key
Daily Job Flow

**Before Opening The Store**
1. Plugged in?  
2. Enough Roll Paper?  
3. Date and Time is correct?  
4. Enough small change in the drawer?

**While The Store Is Open**
1. Registrations.  
2. Issuing latest daily sales total if needed.  
   (Generating report by Mode Switch to X position.)

**After Closing The Store**
1. Issuing Daily Sales Total.  
   (Resetting report by Mode Switch to Z position.)  
2. Picking up money in the drawer.  
   Turn the Mode Switch to OFF.

**Other**
1. Troubleshooting
1. Loading Memory Protection Battery

**Important**

You must initialize the Cash register.

1. Remove the printer cover.
2. Open the battery compartment cover.
3. Load 2 new UM-3, or R6P (SUM-3) type batteries into the compartment. Be sure that the plus (+) and minus (−) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment (Figure 1).
4. Replace the memory protection battery compartment cover back into place.

**Note:** To prevent to lose all of your settings and sales data, we recommend you to install the memory protection batteries.

**REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.**

2. Loading Paper Roll

To load receipt paper

① Open platen arm.

② Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the paper.

③ Put the leading end of the paper over the printer.

④ Close the platen arm slowly until it locks steadily.

**CAUTION**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
3. Setting the Cash Register

① Plug the power cord of the cash register into AC outlet.
② Please choose your language followed by printed message.
③ When the display shows blinking “0”, such as

```
00-00-00
```

Enter current date in Day, Month, Year.
④ When the display shows blinking "0", such as

```
00-00
```

Enter current time in Hour, Minute.
⑤ Set the mode switch to REG.
⑥ Tear off any excess paper.
⑦ Replace the printer cover slowly.

*Default printer definition is receipt printer.

4. If you want to use a printer as journal printer

① Set printing system as journal.
② Remove the printer cover by lifting up the back.
③ Press the [FEED] key until approximately 20cm of the paper is fed from the register.
④ Roll the paper onto the take up reel a few turns.
⑤ Set the left plate of the take up need and place the reel into the register.
⑥ Press the [FEED] key to take up any slack in the paper.
⑦ Replace the printer cover slowly.
5. To remove receipt paper

① Open the platen arm.

② Remove the core of the paper.

6. To remove journal paper

① Remove the printer cover by lifting up the back.

② Press the FEED key until approximately 20cm of the paper is fed from the printer.

③ Cut off the roll paper.

④ Remove the take-up reel from the printer and take off the left plate of the reel.

⑤ Remove the journal paper from the take-up reel.

⑥ Open the platen arm.

⑦ Remove the core of the paper.

⑧ Load new paper following the instructions "1. To load journal paper”.

7. Caution (in handling the thermal printer)

1. Never touch the printer head and platen.
2. Unpack the paper just before you use.
3. Avoid heat/ direct sunlight.
4. Avoid dusty and humid places for storage.
5. Do not scratch the paper.
6. Do not keep the paper under the following circumstances: High humidity and temperature/ direct sunlight/ contact with glue, thinner or rubber eraser.
# 8. Basic Programming for QUICK START

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. To select the date format and monetary mode (if necessary)</td>
<td>Select date format and monetary mode</td>
</tr>
<tr>
<td>You can select the date format and monetary mode after initialization depending on the requirements in your area. Default date format is Day/ Month/ Year and default monetary mode is add 2.</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Mode Switch" /></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Procedure" /></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Purpose" /></td>
<td></td>
</tr>
<tr>
<td>Date Format Selections</td>
<td></td>
</tr>
<tr>
<td>Year/ Month/ Day</td>
<td>0</td>
</tr>
<tr>
<td>Day/ Month/ Year</td>
<td>1</td>
</tr>
<tr>
<td>Month/ Day/ Year</td>
<td>2</td>
</tr>
<tr>
<td>Monetary Mode Selections</td>
<td></td>
</tr>
<tr>
<td>Add 0 (0.)</td>
<td>0</td>
</tr>
<tr>
<td>Add 1 (0.0)</td>
<td>1</td>
</tr>
<tr>
<td>Add 2 (0.00)</td>
<td>2</td>
</tr>
<tr>
<td>Select number from list A</td>
<td></td>
</tr>
<tr>
<td>Select number from list B</td>
<td></td>
</tr>
</tbody>
</table>

2. Input the desired add-in tax rate to the appropriate department key. (This procedure below programs add-in tax rate only. If you want to set add-on tax or tax with special rounding, refer to page 27 of this manual.)

A) Enter 1 and press the key.

B) Press the key.

C) Enter tax rate. (Example: For 6% enter “6”, 5.75% enter “5.75”.)

D) Press the appropriate department key.

E) Repeat step B) and C) to set other department key.

F) Press the key to end tax programming.

Note: In case of setting the wrong tax rate to the key, please enter 0 and press those department keys above, and quit this procedure by pressing key, and start from the beginning of this procedure.

**Example:**

Set add-in tax 8% to department 2, 3, 15% to department 4 key.

A) Start tax program.

B) Enter tax rate and press dept key.

C) Enter tax rate and press dept key.

D) Enter tax rate and press dept key.

E) To end the setting.
### Procedure and Purpose

#### 3. In case of accepting two (the Euro and the local) currencies.

3-1. Press the following keys to define the main currency/print out currency of the subtotal.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 SUB TOTAL</td>
<td>Setting the Euro</td>
</tr>
<tr>
<td>P3 appears in mode display</td>
<td></td>
</tr>
</tbody>
</table>

#### 3-2. Press the following keys to set the currency exchange rate against the Euro.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 4 2 2 SUB TOTAL</td>
<td>Restricting the Currency to the Euro</td>
</tr>
<tr>
<td>1 CA / AMT / END</td>
<td></td>
</tr>
<tr>
<td>Euro Status</td>
<td></td>
</tr>
<tr>
<td>(to end the setting)</td>
<td></td>
</tr>
</tbody>
</table>

- (1) Main currency = Local, Print out subtotal = Local: 0
- (2) Main currency = Euro, Print out subtotal = Euro: 1
- (3) Main currency = Local, Print out subtotal = Both: 2
- (4) Main currency = Euro, Print out subtotal = Both: 3

#### 4. In case of becoming to accept the Euro only.

You can restrict the registable currency to the Euro only by the following procedure.

1. Turn the mode switch to Z position.
2. Issue all reset report including periodic data.
3. Press the following keys to set. 0 1 0 7 2 0 0 2 SUB TOTAL

   If you want to cancel this operation, press SUB TOTAL instead of CA / AMT / END.

#### 5. For Australia only.

You can set some programmable options to suit the Australian GST by the following procedure.

1. Turn the mode switch to Z position.
2. Press the following keys to program. 0 1 0 1 2 0 0 1 SUB TOTAL

   If you want to cancel this operation, press SUB TOTAL instead of CA / AMT / END.
9. Basic Operation after Basic Programming

Note:
Whenever an error is generated, the input figures reset to 0. All printout samples are journal images and the header (date, time and consecutive no.) are eliminated from the samples.

9-1 Open the drawer without a sale

9-2 Basic operation

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.00</th>
<th>$0.30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dept.</td>
<td>1</td>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>Cash Amount tendered</td>
<td>$5.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note that repeat registration can be used with unit prices up to 6 digits long.

9-3 Multiple registration of the same items

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$1.35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Dept.</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

9-4 Charge sales

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.00</th>
<th>$3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dept.</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>
Part-1 QUICK START OPERATION

9-5 Split cash/charge sales

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$2.00</th>
<th>$3.00</th>
<th>$4.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dept.</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Cash Amount tendered</td>
<td>$5.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9-6 Corrections

9-6-1 Before you press a department key

Example

1. Entered 400 for unit price by mistake instead of 100.

2. Entered unit price first instead of quantity and then pressed $\times_{\text{AC}}$.

3. Entered 150 for unit price by mistake instead of 105.

Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

$\text{AC}$ key clears the last item entered.

Example

Unit Price $2.00 $3.00 $4.00
Quantity 1 1 1
Dept. 1 2 1
Cash Amount tendered $5.00
Part-1 QUICK START OPERATION

9-6-2 After you pressed a department key

Example
1. Entered unit price 550 by mistake instead of 505 and pressed a department key.

Example
2. Entered unit price 220 by mistake instead of 230 and pressed a department key.

Operation | Printout
--- | ---

(key cancels the last registered item.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5 0 1</td>
<td>DEPT01: 5.50</td>
</tr>
<tr>
<td>Wrong entry</td>
<td>ERR CORR: -5.50</td>
</tr>
<tr>
<td>5 0 5 1</td>
<td>DEPT01: 5.05</td>
</tr>
<tr>
<td>Correct entry</td>
<td></td>
</tr>
</tbody>
</table>

Registered Department 1

<table>
<thead>
<tr>
<th>Multiplication</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Wrong entry</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Correct entry</td>
<td>Registered Department 2</td>
</tr>
<tr>
<td>DEPT02: 6.60</td>
<td>ERR CORR: -6.60</td>
</tr>
<tr>
<td>3 X</td>
<td>DEPT02: 6.90</td>
</tr>
<tr>
<td>3 X</td>
<td>2.20</td>
</tr>
<tr>
<td>3 X</td>
<td>2.30</td>
</tr>
</tbody>
</table>
9-7 Registering with currency exchange

**Part-1 QUICK START OPERATION**

**Mode Switch**

<table>
<thead>
<tr>
<th>REG</th>
<th>CAL</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>RF</td>
<td>PGM</td>
<td></td>
</tr>
</tbody>
</table>

**Example**

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>( \text{X} )</td>
</tr>
<tr>
<td>200</td>
<td>PD</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL</td>
</tr>
<tr>
<td></td>
<td>7.50E</td>
</tr>
</tbody>
</table>

Pressing \( \text{PD} \) before subtotal converts the subtotal amount into the Euro.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>PD</td>
</tr>
<tr>
<td></td>
<td>10.00E</td>
</tr>
</tbody>
</table>

Pressing \( \text{PD} \) after amount tendered converts the amount into the Euro. *1

Press \( \text{FIN} \) to finalize the transaction. The change amount in the main currency is shown on the display. *2

---

*1 If the payment is the same as the subtotal amount, you can omit this operation. Press \( \text{FIN} \) key directly after the subtotal.

*2 If the payment is less than the subtotal amount, the cash register specifies it as a partial payment and shows the balance in the main currency on the display.

<table>
<thead>
<tr>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-01-2010</td>
</tr>
<tr>
<td>REG</td>
</tr>
<tr>
<td>3 x</td>
</tr>
<tr>
<td>DEPT01</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
<tr>
<td>EURO</td>
</tr>
<tr>
<td>CASH</td>
</tr>
<tr>
<td>CASH</td>
</tr>
<tr>
<td>CHANGE</td>
</tr>
<tr>
<td>EURO CG</td>
</tr>
</tbody>
</table>

---

---
10. Daily Management Report
This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

**Important**
Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.

### 10-1 Financial Report

**Operation**

**Printout**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-01-2010</td>
<td>19:10</td>
<td>X</td>
</tr>
</tbody>
</table>

*FLASH* X

- **GROSS TOTAL** 0T 57
- **NET TOTAL** No 39
- **CASH-INDW** •197.57
- **CHARGE-INDW** •18.19
- **CHECK-INDW** •45.18

### 10-2 Read/Reset Report

#### 10-2-1 Electronic journal Report

**Operation**

**Printout**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-01-2010</td>
<td>19:25</td>
<td>X</td>
</tr>
</tbody>
</table>

*0058* EJ X

- **REG** 17:34
- **DEPT01** •2.24

* If you want to designate read range, enter date and/ or consecutive No..
If you want to reset the electronic journal, just press 5 8 in Z mode.

- Journal is saved in the memory and you can take a report any time you want.
## Part-1 QUICK START OPERATION

### 10-2-2 Daily Read/Reset Report

**Mode Switch to (Read)**

**Mode Switch to (Reset)**

---

### 10-2-3 Periodic Read/Reset Report

**Mode Switch to (Read)**

**Mode Switch to (Reset)**

---

*Part-1 Operation Printout*

#### Z (Reset) report

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Consecutive No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-01-2010</td>
<td>19:25 0073</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-resettable No. of Resets/RESET Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>*1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dept. Name/ No. of Items</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPT01 QT 48</td>
<td>0.50</td>
</tr>
<tr>
<td>DEPT02 QT 28</td>
<td>0.76</td>
</tr>
<tr>
<td>DEPT03 QT 17</td>
<td>0.85</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gross Sales No. of Items</th>
<th>Gross Sales Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>108</td>
<td>316.80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Sales No. of Customers</th>
<th>Net Sales Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>325.13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cash in Drawer</th>
<th>Charge in Drawer</th>
<th>Check in Drawer</th>
<th>Taxable Amount for Tax Rate 1</th>
<th>Tax Amount for Tax Rate 1</th>
<th>Rounded Amount</th>
<th>Refund Mode Count</th>
<th>Refund Mode Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>199.91</td>
<td>16.22</td>
<td>105.00</td>
<td>105.10</td>
<td>4.20</td>
<td>1.23</td>
<td>2</td>
<td>0.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cash Sales Count</th>
<th>Charge Sales Count</th>
<th>Check Sales Count</th>
<th>Check Sales Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>3</td>
<td>2</td>
<td>105.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Received On Account Amount</th>
<th>Paid Out Amount</th>
<th>Reduction Amount</th>
<th>Premium/Discount Amount</th>
<th>Error Correction Count</th>
<th>No sale Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.00</td>
<td>10.00</td>
<td>0.50</td>
<td>0.66</td>
<td>21</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clerk 1 Sales Amount</th>
<th>Non-resettable Grand Sales total</th>
</tr>
</thead>
<tbody>
<tr>
<td>325.13</td>
<td>(Printed only on RESET report)</td>
</tr>
</tbody>
</table>

---

*Part-1 Operation Printout*

#### Periodic Reset Symbol

<table>
<thead>
<tr>
<th>Periodic Reset Symbol</th>
<th>Gross Sales No. of Items</th>
<th>Gross Sales Amount</th>
<th>Net Sales No. of Customers</th>
<th>Net Sales Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-01-2010</td>
<td>1100</td>
<td>0010 PERIODIC ZZ</td>
<td>0012</td>
<td>1100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gross Total QT</th>
<th>Net Total No</th>
<th>Gross Total Amount</th>
<th>Net Total Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>67</td>
<td>38</td>
<td>270.73</td>
<td>271.24</td>
</tr>
</tbody>
</table>

---

*X (Read) report is the same except *1 and *2.*
1. Various Programming
1-1 Unit price for Departments

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>Dept.</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.00</td>
<td>1</td>
</tr>
<tr>
<td>$2.20</td>
<td>2</td>
</tr>
<tr>
<td>$11.00</td>
<td>3</td>
</tr>
</tbody>
</table>

P appears in mode display

1 0 0 (For Dept. 1)
2 2 0 (For Dept. 2)
1 1 0 0 (For Dept. 3)

- Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate 2.5%

P appears in mode display

2 2 5

(To end the setting)

- The rate within the range of 0.01 to 99.99%.

1-3 To change tax status for Departments

Tax status for the Departments 1 ~ 20 are initialized as Non-Taxable.

Example

<table>
<thead>
<tr>
<th>Status</th>
<th>Taxable 1</th>
<th>Taxable 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depts.</td>
<td>1</td>
<td>7</td>
</tr>
</tbody>
</table>

Select key from list A

Select key from list A

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxable status 1</td>
</tr>
<tr>
<td>Taxable status 2</td>
</tr>
<tr>
<td>Taxable status 3</td>
</tr>
<tr>
<td>Taxable status 4</td>
</tr>
<tr>
<td>Non-taxable status</td>
</tr>
</tbody>
</table>

(To end the setting)
1-4 Status for Department

<table>
<thead>
<tr>
<th>Depts</th>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

Example

Normal department
Minus department
No limitation for manually entered price (7 digits)
Maximum number of digits for manually entered price (1 ~ 7 digits)
To prohibit manual price entries.
Normal sales (not a single-item sale) department
Set as a single-item sale department

1-5 Status for percent key
1-5-1 To change taxable status for the percent key

Example
Change Percent key registration as a Taxable status 1.
1-5-2 Status for percent key

Example

<table>
<thead>
<tr>
<th>Round</th>
<th>Up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent</td>
<td>%+</td>
</tr>
</tbody>
</table>

P3 appears in mode display

1 1 %+

Select a number from list A

1 1 %+

Select a number from list B

(To end the setting)

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounding of results produced by Percent Key operation.</td>
</tr>
<tr>
<td>Round off (1.544=1.54; 1.545=1.55)</td>
</tr>
<tr>
<td>Cut off (1.544=1.54; 1.545=1.54)</td>
</tr>
<tr>
<td>Round up (1.544=1.55; 1.545=1.55)</td>
</tr>
</tbody>
</table>

Program Percent Key to register discounts (%–).

Program Percent Key to register premiums (%+).

1-6 Taxable Status for minus key

The minus key is initialized as Non-taxable.

P appears in mode display

1 SUB TOTAL TAX

Select key from list A

1 SUB TOTAL

Minus key

(To end the setting)

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxable status 1</td>
</tr>
<tr>
<td>Taxable status 2</td>
</tr>
<tr>
<td>Taxable status 3</td>
</tr>
<tr>
<td>Taxable status 4</td>
</tr>
<tr>
<td>All taxable status (1, 2, 3 and 4)</td>
</tr>
<tr>
<td>Non-taxable status</td>
</tr>
</tbody>
</table>
1-7 General features

1-7-1 To set general controls

<table>
<thead>
<tr>
<th>Selections</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key catch tone.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Allow split cash amount tendered.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Limit the last 2 digits of total amount to 00 and 50 when Danish rounding is specified for subtotal and total amount.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Use the 00 key as a 000 key.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cashier assignment systems (sign on) is used.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Limit the last 1 digit of total amount to 0 and 5 when Malaysian rounding is specified for subtotal and total amount.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
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<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

P3 appears in mode display

Program code No.

Select a number from list A
Select a number from list B
Select a number from list C
Select a number from list D

(Time displays with second.)

Allow split check amount tendered.

Selections

Limit the last 2 digits of total amount to 00 and 50 when Danish rounding is specified for subtotal and total amount.

Yes
No

Key catch tone.

Yes
Yes
No
No

Maintain key buffer during receipt issue in REG mode.

Reset the consecutive number to zero whenever a Daily Reset Report is issued.

Yes
Yes
No
No

Allow credit balance registration.

Yes
No
Yes
Yes

Yes
No
Yes
Yes

Limit the last 1 digit of total amount to 0 and 5 when Malaysian rounding is specified for subtotal and total amount.

Yes
No
Yes
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No
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Yes
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Yes
No
Yes
### Part-2 CONVENIENT OPERATION

1-7-2 To set printing controls

P3 appears in mode display

<svcslct>

Program code No.

Select a number from list A
Always “0”
Select a number from list B
Select a number from list C

(To end the setting)

---

#### Selections

<table>
<thead>
<tr>
<th>Use the printer to print receipts = R</th>
<th>Print receipt by single/ double height characters.</th>
<th>Print Total line at finalization</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Single</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Double</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Print the time on the receipt and journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Print the consecutive number on the receipt/journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print the subtotal on the receipt/journal when the Subtotal Key is pressed.</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Skip item print on journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Use the printer to print a journal = J</th>
<th>Print receipt by single/ double height characters.</th>
<th>Print Total line at finalization</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Single</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Double</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Print the time on the receipt and journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Print the consecutive number on the receipt/journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print the subtotal on the receipt/journal when the Subtotal Key is pressed.</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

#### Selections

<table>
<thead>
<tr>
<th>Skip item print on journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>
1-7-3 To set report printing controls

Example
To print a journal

Select a number from list A
Select a number from list B
Select a number from list C


Yes
No

Print RF switch mode refund count/ amount on the Daily Read/Reset Reports.

Yes
No

Print zero-total line on the Read/Reset Reports.

Yes
No

Print the grand sales total on the Reset Reports.

Yes
No

1-7-4 Printer switch for Receipt or Journal

The printer is initialized as receipt.

Example
To print a journal

Select a number from list A

Use the printer to print receipts.

No

Use the printer to print a journal.

Yes

• Printer selection to print a journal or receipts can also be set on procedures 1-7-2 “To set printing controls”.

1-7-5 Receipt printing character/ key catch tone

Select a number from list A

Print receipt with single height.

No

Print receipt with double height.

Yes

• Key catch tone

No key catch tone
1-8 PLU setting

1-8-1 Linkage with Departments

Example

<table>
<thead>
<tr>
<th>PLU No.</th>
<th>1</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link dept. No.</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

P3 appears in mode display

1 PLU 4 CA/AMT/TEND

PLU No. Select number from list A

100 PLU

4 CA/AMT/TEND

Dept. No. to be linked

SUB TOTAL

(To end the setting)

Selections

Linked to dept. 20. 0 A
Linked depts. 1~20 respectively. 1 2 0

- 500 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 20.
- Status for a single-item sale and tax status are followed the specified linked department.

1-8-2 Unit Prices for PLUs

Example

<table>
<thead>
<tr>
<th>PLU No.</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Price</td>
<td>$1.00</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

P appears in mode display

1 PLU

100 PLU

Unit Price

2 PLU

300 PLU

Unit Price

SUB TOTAL

(To end the setting)

- Unit prices within the range of $0.01~9999.99.
1-9 Setting the Tax Rate and rounding

**Part-2 CONVENIENT OPERATION**

### Setting the Tax Rate

#### 1. Setting the Tax Rate

- Set code No. for Tax rate 1:
  
  ![Setting the Tax Rate 1](资源优势.png)

- Program set code No. for tax rate 1:
  
  ![Program set code No. for tax rate 1](资源优势.png)

- Enter tax rate A:
  
  ![Enter tax rate A](资源优势.png)

- Tax rate 2 is
  
  ![Tax rate 2](资源优势.png)

- Tax rate 3 is
  
  ![Tax rate 3](资源优势.png)

- Tax rate 4 is
  
  ![Tax rate 4](资源优势.png)

#### 2. Rounding

- Select numbers from list B
- Select number from list C
- Select number from list D

### Tax rate specifications

- The tax rate within the range of 0.0001 ~ 99.9999%. Use key for decimal point.

### Normal rounding specifications

- Cut off to 2 decimal places:
  
  ![Cut off to 2 decimal places](资源优势.png)

- Round off to 2 decimal places:
  
  ![Round off to 2 decimal places](资源优势.png)

- Round up to 2 decimal places:
  
  ![Round up to 2 decimal places](资源优势.png)

### Special rounding specifications for subtotal and total amounts

- No specifications:
  
  ![No specifications](资源优势.png)

- Special rounding 1:
  
  ![Special rounding 1](资源优势.png)

- Special rounding 2:
  
  ![Special rounding 2](资源优势.png)

- Danish rounding:
  
  ![Danish rounding](资源优势.png)

- Malaysian rounding:
  
  ![Malaysian rounding](资源优势.png)

- Scandinavian rounding:
  
  ![Scandinavian rounding](资源优势.png)

- Australian rounding (only for tax rate 1):
  
  ![Australian rounding](资源优势.png)

- Czech rounding:
  
  ![Czech rounding](资源优势.png)

### Normal rounding specifications

- No specifications:
  
  ![No specifications](资源优势.png)

- Specifies add-on rate tax:
  
  ![Specifies add-on rate tax](资源优势.png)

- Specifies add-in rate tax (VAT):
  
  ![Specifies add-in rate tax](资源优势.png)

---

*1 Program set code No. for Tax rate 2 is

\[ \begin{align*} &0 \ 2 \ 2 \ 5 \end{align*} \]

Tax rate 3 is

\[ \begin{align*} &0 \ 3 \ 2 \ 5 \end{align*} \]

Tax rate 4 is

\[ \begin{align*} &0 \ 4 \ 2 \ 5 \end{align*} \]

*You can use either an add-on rate tax or an add-in rate tax (VAT), depending on the requirements in your area. You can specify only one tax rate.

*The normal rounding specification tells the cash register how to round tax amounts to the proper number of decimal places.

*The special rounding specification and Danish rounding tell the cash register how to round off subtotals and totals so that their rightmost 2 digits are 00 and 50.

*Note that the rounding specification you program for your cash register depends on the tax laws of your country.

See page 20 (department key), 21 (percent key), 22 (minus key) to change the fixed tax status.

*2: In case of defining Danish rounding, the Euro should be set to the sub currency and the local to the main currency.
**Part-2 CONVENIENT OPERATION**

1-10 To control Tax Status printing

1. **Mode Switch**
   - **REG**: Register
   - **CAL X Z**: Clear X, Z
   - **OFF**: Off
   - **RF**: Repeat Function
   - **PGM**: Program

2. **Selections**

<table>
<thead>
<tr>
<th>Print tax total line (only for Australia).</th>
<th><strong>Selections</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Print tax symbol.</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Yes</td>
<td>2</td>
</tr>
</tbody>
</table>

   | Print taxable amount.                    | **Selections** |
   | Print taxable amount and tax amount for Add-in. | No | Yes |
   | No                                        | 0  | 1   |
   | Yes                                      | 2  | 3   |

3. **P3 appears in mode display**

4. **Program set code No.**

5. **Select number from list A**

6. **Always “0”**

7. **Select number from list B**

8. **(To end the setting)**
1-11 To program department, PLU, clerk name, receipt message

1-11-1 Simple character list for [HELP]
You can set department and PLU name by using a simple character list [HELP]

1-1. Issue category list.

1 2 [HELP]

112: ARTICLE SALE
212: BOOK, STATIONARY
312: ELECTRONIC GOODS
412: DRESSING
512: SERVICE
612: PHARMACY
712: FOODSTUFFS
812: MEAL
912: OTHER

1-2. Issue category list.

4 1 2 [HELP]

DRESSING
401: JEWELRY
402: CLOTHING
403: UMBRELLA
404: SHOES

428: SCARF

2-1. Programming department name.

Example

<table>
<thead>
<tr>
<th>Department</th>
<th>2</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>JEWELRY</td>
<td>SHOES</td>
</tr>
<tr>
<td>Character code</td>
<td>401</td>
<td>404</td>
</tr>
</tbody>
</table>

P2 appears in mode display

4 0 1 2

4 0 4 3

(Sub Total)

(To end the setting)
2-2. Reset department name.

| Department | 2 |
| Name       | DEPT01 |
| Character code | 0 |

P2 appears in mode display

(To end the setting)

2-3. Programming department PLU

| PLU(1-1200) | 2     | 30  |
| Name        | CLOTHING | UMBRELLA |
| Character code | 402 | 403 |

P2 appears in mode display

(To end the setting)

2-4. Reset PLU name.

| PLU(1-1200) | 30  |
| Name        | PLU0030 |
| Character code | 0 |

P2 appears in mode display

(To end the setting)
1-11-2 Character keyboard

In the PGM 2 mode, the keyboard becomes character setting keyboard illustrated below after specifying a department, a PLU, or a clerk.

1. Double size key
   Use this key to specify the next character to a double sized character. You must press this key before each double sized character.

2. Alphabet keys
   Use these keys to input characters. Refer to the next page to enter characters.

3. Right arrow key
   Use this key to input the character located on the same alphabet key. This key is also used for inputting a space.

4. Delete key
   Use this key to delete character just entered.

5. PLU key
   Use this key to input PLU code.

6. Department keys
   Use this key to specify department.

7. Department shift key
   Use this key to shift department.

8. Clerk number key
   Use this key to input clerk number.

9. Receipt message number key (CH key)
   Use this key to program receipt message.

10. Program end key (SUB TOTAL key)
    Use this key to terminate character programming.

11. Character program key (CASH/AMT/TEND key)
    Use this key to program the PLU / clerk characters just entered before.

1-11-3 Programming department name

Example

<table>
<thead>
<tr>
<th>Department</th>
<th>1</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>DAIRY</td>
<td>HBA</td>
</tr>
</tbody>
</table>

up to 8 (4 double sized) characters

P2 appears in mode display

Department 1

Department 7

(To end the setting)
1-11-4 Programming PLU name

Example

<table>
<thead>
<tr>
<th>PLU (1 ~ 500)</th>
<th>1</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>DAIRY</td>
<td>HBA</td>
</tr>
</tbody>
</table>

up to 8 (4 double sized) characters

1-11-5 Programming clerk name

Example

<table>
<thead>
<tr>
<th>Clerk (1~8)</th>
<th>1</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>JOHN</td>
<td>KATE</td>
</tr>
</tbody>
</table>

up to 8 (4 double sized) characters

1-11-6 Programming receipt message

Example

<table>
<thead>
<tr>
<th>Line (1 ~ 5)</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message</td>
<td>THANK YOU</td>
</tr>
</tbody>
</table>

up to 24 (12 double sized) characters
1-11-7 Alphabetical order

Characters are assigned to each numeric key. You can enter “A” by pressing 8 once, “B” twice, “C” three times ...
The following tables indicate character assignment and the depression numbers of the key to enter the appropriate character.

<table>
<thead>
<tr>
<th>11-7</th>
<th>Alphabetical order</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A, B, C, a, b, c, 8, ...</strong></td>
<td><strong>D, E, F, d, e, f, 9, ...</strong></td>
</tr>
<tr>
<td><strong>8 key</strong></td>
<td><strong>9 key</strong></td>
</tr>
<tr>
<td>: A → B → C → a → b → c → 8 →</td>
<td>: D → E → F → d → e → f → 9 →</td>
</tr>
<tr>
<td>R 01 B 02 C 03 D 04 E 05 F 06 G 07</td>
<td>R 08 D 09 E 10 F 11 G 12 H 13 I 14</td>
</tr>
<tr>
<td>→ ā → ā → ē → ē → ē → ē → ē</td>
<td>→ ē → ē → ē → ē → ē</td>
</tr>
<tr>
<td>C 15 ē 16 ē 17 ē 18 ē 19 ē 20 ē 21</td>
<td>R 08 D 09 E 10 F 11 G 12 H 13 I 14</td>
</tr>
<tr>
<td>→ ā → ā → ē → ē → ē → ē → ē</td>
<td>→ ē → ē → ē → ē</td>
</tr>
<tr>
<td><strong>G, H, I, g, h, i, 4, ...</strong></td>
<td><strong>J, K, L, j, k, l, 5, ...</strong></td>
</tr>
<tr>
<td><strong>4 key</strong></td>
<td><strong>5 key</strong></td>
</tr>
<tr>
<td>: G → H → I → g → h → i → 4</td>
<td>: J → K → L → j → k → l → 5</td>
</tr>
<tr>
<td>G 01 H 02 I 03 J 04 K 05 L 06 M 07</td>
<td>R 08 D 09 E 10 F 11 G 12 H 13 I 14</td>
</tr>
<tr>
<td>→ ī → ī → ī → ī → ī → ī → ī</td>
<td>→ ī → ī → ī</td>
</tr>
<tr>
<td>G 01 H 02 I 03 J 04 K 05 L 06 M 07</td>
<td>R 08 D 09 E 10 F 11 G 12 H 13 I 14</td>
</tr>
<tr>
<td>→ ī → ī → ī → ī → ī → ī</td>
<td>→ ī</td>
</tr>
<tr>
<td><strong>M, N, O, m, n, o, 6, ...</strong></td>
<td><strong>N, O, P, n, o, p, 7, ...</strong></td>
</tr>
<tr>
<td><strong>6 key</strong></td>
<td><strong>7 key</strong></td>
</tr>
<tr>
<td>: M → N → O → m → n → o → 6</td>
<td>: N → O → P → n → o → p → 7</td>
</tr>
<tr>
<td>M 01 N 02 O 03 M 04 N 05 O 06 P 07</td>
<td>N 08 O 09 P 10 N 11 O 12 P 13 O 14</td>
</tr>
<tr>
<td>→ ŋ → ŋ → ŋ → ŋ → ŋ → ŋ → ŋ</td>
<td>→ ŋ → ŋ → ŋ → ŋ</td>
</tr>
<tr>
<td>M 01 N 02 O 03 M 04 N 05 O 06 P 07</td>
<td>N 08 O 09 P 10 N 11 O 12 P 13 O 14</td>
</tr>
<tr>
<td>→ ŋ → ŋ → ŋ → ŋ → ŋ → ŋ</td>
<td>→ ŋ</td>
</tr>
</tbody>
</table>

→ returns to the beginning
### Part-2 CONVENIENT OPERATION

<table>
<thead>
<tr>
<th>Key</th>
<th>Alphabet/Character</th>
<th>Number of the Digit for Entering Character</th>
<th>Number of the Depression of the Same Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>P, Q, R, S, p, q, r, s, 1, ...</td>
<td>T, U, V, t, u, v, 2, ...</td>
<td>W, X, Y, Z, w, x, y, z, 3, ...</td>
<td>0, 0 key</td>
</tr>
<tr>
<td>1 key</td>
<td>P → Q → R → S → p → q → r → s → 1 → p → β → returns to the beginning</td>
<td>T → U → V → t → u → v → 2 → Ü → μ returns to the beginning</td>
<td>returns to the beginning</td>
</tr>
<tr>
<td>2 key</td>
<td>W → X → Y → Z → w → x → y → z → returns to the beginning</td>
<td>0 key</td>
<td>returns to the beginning</td>
</tr>
<tr>
<td>3 key</td>
<td>7, Symbols, ...</td>
<td>returns to the beginning</td>
<td></td>
</tr>
</tbody>
</table>

- **Cf.:**
  - Printing character
  - Number of the digit for entering character.
  - Number of the depression of the same key.
1-12 Printing to read  
All Preset Data

• Printing preset data.

### 1-12-1 Printing preset data except PLU settings

#### Mode Switch

<table>
<thead>
<tr>
<th>Mode</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>REG</td>
<td>Regular</td>
</tr>
<tr>
<td>OFF</td>
<td>Off</td>
</tr>
<tr>
<td>RF</td>
<td>Remote</td>
</tr>
<tr>
<td>PGM</td>
<td>Program</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPT01 T1</td>
<td>1.00 0000</td>
<td>Dept Name/Unit Price</td>
</tr>
<tr>
<td>DEPT02 T1</td>
<td>10.00 0000</td>
<td>Tax Status/Normal Dept/Digit Limit/Single Item</td>
</tr>
<tr>
<td>DEPT20 T1</td>
<td>5.00 0000</td>
<td>Minus/Tax Status</td>
</tr>
<tr>
<td>% - (12.34%) T1</td>
<td>0000</td>
<td>Percent Rate/%+ or %-</td>
</tr>
<tr>
<td>1EURO 0000</td>
<td>1.29739</td>
<td>Euro Exchange Rate</td>
</tr>
<tr>
<td>10200 0000</td>
<td>0</td>
<td>Date/Monetary Mode Control</td>
</tr>
<tr>
<td>10800 0000</td>
<td>0</td>
<td>Key catch tone Control</td>
</tr>
<tr>
<td>0122 0000</td>
<td>0022</td>
<td>Print Control</td>
</tr>
<tr>
<td>0522 0000</td>
<td>1020</td>
<td>General Control</td>
</tr>
<tr>
<td>0622 0000</td>
<td>0000</td>
<td>Calculation Control</td>
</tr>
<tr>
<td>0822 0000</td>
<td>0000</td>
<td></td>
</tr>
<tr>
<td>1022 0000</td>
<td>0000</td>
<td></td>
</tr>
<tr>
<td>0326 0000</td>
<td>0202</td>
<td>Tax Control</td>
</tr>
<tr>
<td>2422 0000</td>
<td>2</td>
<td>Euro Status</td>
</tr>
<tr>
<td>CLERK01 0000</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CLERK02 0000</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CLERK03 0000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CLERK04 0000</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CLERK05 0000</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CLERK06 0000</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CLERK07 0000</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>0125 0000</td>
<td>4</td>
<td>Tax Rate1</td>
</tr>
<tr>
<td>0225 0000</td>
<td>5.25</td>
<td>Rounding specification/Tax System specification</td>
</tr>
<tr>
<td>01 0000</td>
<td>01</td>
<td>Tax Rate 2</td>
</tr>
<tr>
<td>02 0000</td>
<td>02</td>
<td>Receipt message</td>
</tr>
</tbody>
</table>

Your RECEIPT

Taxable Supply

Tax INVOICE
### 1-12-2 Printing preset PLU settings

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLU0001 @1.00</td>
</tr>
<tr>
<td></td>
<td>PLU0002 @2.00</td>
</tr>
<tr>
<td></td>
<td>PLU0003 @3.00</td>
</tr>
<tr>
<td></td>
<td>PLU0004 @4.00</td>
</tr>
<tr>
<td></td>
<td>PLU0199 @1,999.00</td>
</tr>
<tr>
<td></td>
<td>PLU0500 @500.00</td>
</tr>
</tbody>
</table>

Stop printing by **SUB TOTAL**.
2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 20)

Example

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>REG 0043</td>
<td>08-01-2010 15:30</td>
</tr>
<tr>
<td>DEPT01</td>
<td>1.00</td>
</tr>
<tr>
<td>DEPT02</td>
<td>2.00</td>
</tr>
<tr>
<td>DEPT03</td>
<td>4.40</td>
</tr>
<tr>
<td>TOTAL</td>
<td>49.40</td>
</tr>
<tr>
<td>CASH</td>
<td>50.00</td>
</tr>
<tr>
<td>CHANGE</td>
<td>0.60</td>
</tr>
</tbody>
</table>

Example 1:

<table>
<thead>
<tr>
<th>Status</th>
<th>Single item sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Price</td>
<td>$0.50</td>
</tr>
<tr>
<td>Quantity</td>
<td>1</td>
</tr>
</tbody>
</table>

Example 2:

<table>
<thead>
<tr>
<th>Status</th>
<th>Normal</th>
<th>Single item sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Price</td>
<td>$1.00</td>
<td>$0.50</td>
</tr>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

2-2 Single-Item Sales

(Programming: See page 21)

Example 1:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>REG 0041</td>
<td>08-01-2010 15:45</td>
</tr>
<tr>
<td>DEPT01</td>
<td>0.50</td>
</tr>
<tr>
<td>CASH</td>
<td>0.50</td>
</tr>
</tbody>
</table>

For this example, Dept. 1 is programmed for a single-item-sale.

Example 2:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>REG 0042</td>
<td>08-01-2010 16:00</td>
</tr>
<tr>
<td>DEPT02</td>
<td>1.00</td>
</tr>
<tr>
<td>DEPT01</td>
<td>1.50</td>
</tr>
</tbody>
</table>

Single-item sale cannot be finalized if an item is registered previously.

2-3 Check sales

Example

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td>REG 0043</td>
<td>08-01-2010 16:10</td>
</tr>
<tr>
<td>DEPT04</td>
<td>35.00</td>
</tr>
<tr>
<td>DEPT04</td>
<td>35.00</td>
</tr>
<tr>
<td>CHECK</td>
<td>70.00</td>
</tr>
</tbody>
</table>

Check Sales
2-4 Split cash/check sales

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$30.00</th>
<th>$25.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Depts.</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Cash amount tendered</td>
<td>$20.00</td>
<td></td>
</tr>
<tr>
<td>Check</td>
<td>$35.00</td>
<td></td>
</tr>
</tbody>
</table>

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Depts.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Cash amount tendered</td>
<td>$5.00</td>
<td></td>
</tr>
</tbody>
</table>

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-5 Post receipt issuance

You can issue a post receipt after finalizing a transaction by pressing [POST RECEIPT].

Note that all of the following condition must be satisfied:
- Print "receipt" option is selected.
- Paper Saving mode must be "ON".
- The transaction must be finalized in the REG/RF mode using [p], [u] or [m].

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Depts.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
You can issue only one post receipt per transaction.

(Pot receipt)

<table>
<thead>
<tr>
<th>DEPT01</th>
<th>DEPT02</th>
<th>DEPT03</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>1.00</td>
<td>2.00</td>
<td>3.00</td>
</tr>
<tr>
<td>CASH</td>
<td>5.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If the transaction contains more than 40 lines (including receipt header), then the total formatted post receipt is issued.

(Received receipt)

<table>
<thead>
<tr>
<th>DEPT01</th>
<th>DEPT02</th>
<th>DEPT03</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>2.00</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>CASH</td>
<td>5.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-6 Refund

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Depts.</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.
2-7 PLU operation

2-7-1 PLU registration

(Programming: See page 26)

Example

<table>
<thead>
<tr>
<th>PLU No.</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Price</td>
<td>$1.00</td>
<td>$2.00</td>
</tr>
<tr>
<td>Quantity</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Depts.</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Cash amount tendered</td>
<td>$10.00</td>
<td></td>
</tr>
</tbody>
</table>

Operation

Printout

08-01-2010 17:00
REG 0051
PLU0001 1.00
PLU0001 1.00
4 X 2.00
PLU0002 8.00
TOTAL 10.00
CASH 10.00
CHANGE 0.00

Mode Switch

REG 0051
CAL X
Z
RF
PGM

• For this example, linked department 1 is programmed for a single-item-sale.
• Single-item sale cannot be finalized if an item is registered previously.

2-7-2 PLU Single-Item Sale

(Programming: See page 26)

Example

<table>
<thead>
<tr>
<th>PLU No.</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Single item sale</td>
</tr>
<tr>
<td>Unit Price</td>
<td>$1.00</td>
</tr>
<tr>
<td>Quantity</td>
<td>1</td>
</tr>
</tbody>
</table>

Operation

Printout

08-01-2010 17:10
REG 0052
PLU0001 1.00
CASH 1.00

2-7-3 PLU report

Mode Switch

X
Z
REG
CAL
RF
OFF
PGM

Mode Switch

REG
CAL X
RF
OFF
PGM

Operation

Printout

08-01-2010 17:20
Z 0055
0001 PLU Z 0001
PLU0001 QT 12 12.00
PLU0002 QT 27 27.00
PLU0500 QT 180.00
TOTAL QT 1284 10856.89

• Reset Counter
• PLU Name/No. of items
• Amount
• PLU total count
• PLU total amount
2-8 Other registrations

2-8-1 Reading the Time and Date

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13:53</td>
</tr>
<tr>
<td></td>
<td>08-01-10</td>
</tr>
<tr>
<td></td>
<td>0.00</td>
</tr>
</tbody>
</table>

- Flashes per second

Adjusting the Time

Example

Current time = 13:58

- Turn the Mode Switch to PGM.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13:58:02</td>
</tr>
<tr>
<td></td>
<td>0.00</td>
</tr>
</tbody>
</table>

- Enter current time in 24 hour system.

Adjusting the Date

Example

Current date = 8, January 2010

- Turn the Mode Switch to PGM.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 8 0 1 1 0</td>
<td>08-01-10</td>
</tr>
<tr>
<td></td>
<td>0.00</td>
</tr>
</tbody>
</table>

- Enter current date in 6 digits.
- Enter the last 2 digits for year set. (2010 → 10)

- If you have changed the date order (refer to page 12), enter date of that order.
2-8-2 Paid out from cash in drawer

**Operation**

```
08-01-2010 17:20  
REG 0057  
PD 10.00
```

**Printout**

```
# 12345678  
PAID OUT AMOUNT  
08-01-2010 17:20  
REG 0057  
PD 10.00
```

2-8-3 Cash received on account

**Operation**

```
08-01-2010 17:25  
REG 0058  
RC 6.00
```

**Printout**

```
# 12345678  
RC 6.00  
08-01-2010 17:20  
REG 0058  
RC 6.00
```

2-8-4 Registering identification numbers

**Operation**

```
08-01-2010 17:35  
REG 0059  
DEPT01 0.50
```

**Printout**

```
# 12345678  
DEPT01 0.50  
08-01-2010 17:35  
REG 0059  
DEPT01 0.50
```

2-8-5 Reduction on subtotal

**Operation**

```
08-01-2010 17:45  
REG 0060  
DEPT01 1.00  
DEPT04 2.00  
CASH 0.50
```

**Printout**

```
# 12345678  
DEPT01 1.00  
DEPT04 2.00  
CASH 0.50  
08-01-2010 17:45  
REG 0060  
DEPT01 1.00  
DEPT04 2.00  
CASH 0.50
```

Example:
Amount due reduced by $0.50.
2-8-6 Premium/Discount

- 2.5% premium/discount (programmed to [%] key) applied to first item.

- 7% premium/discount applied to transaction total.
  - For programming the [%] key as percent minus or percent plus, see page 22.
  - For programming percent rate, see page 20.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
<th>Premium</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 0 0 -1</td>
<td>DEPT01 $1.00</td>
<td></td>
<td>DEPT01 $1.00</td>
</tr>
<tr>
<td>2 0 0 -2</td>
<td>DEPT02 $2.00</td>
<td>DEPT02 $2.00</td>
<td></td>
</tr>
<tr>
<td>3 0 0 -3</td>
<td>DEPT03 $3.00</td>
<td>DEPT03 $3.00</td>
<td></td>
</tr>
<tr>
<td>7 V/CLA</td>
<td>1.00 0.03</td>
<td>-0.03</td>
<td>1 - 2.5%</td>
</tr>
<tr>
<td>CA/AMT</td>
<td>1.00 0.42</td>
<td>-0.42</td>
<td>%+(7%)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-9 Cashier Assignment

(Programming: See page 23)

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 23, you can get 8 cashiers (or clerk) sales data.
Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.

- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned cashier (or clerk) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.
1. Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.

1-1 Calculation examples

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 + 1 =</td>
<td>6</td>
</tr>
<tr>
<td>(Miss operation)</td>
<td></td>
</tr>
<tr>
<td>(Cancels item entered.)</td>
<td></td>
</tr>
</tbody>
</table>

- 5+3–2=  
- (23–56)×78=  
- (4×3–6)+3.5+8=  
- 12% on 1500

1-2 Memory recall

Recalls the current amount onto the display.
- during registration: current subtotal
- registration has been completed: the last amount

On REG mode

Example:
Divide the current subtotal $30.00 at REG mode by 3 (to divide the bill between 3 people).

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 0 00 ÷ 1 2 0 00 ÷ 2</td>
<td>10</td>
</tr>
</tbody>
</table>

On CAL mode

Memory recall
Recalls the current result by pressing ¥MR key at CAL mode on the display.

On REG mode

Example:
Recall the current result at CAL mode during registration, and register the cash amount due for each person.
1-3 Setting for calculator operation

**Mode Switch**

- **REG**: REG
- **CAL X**: CAL X
- **Z**: Z
- **OFF**: OFF
- **RF**: RF
- **PGM**: PGM

**Part-3 CALCULATOR FUNCTION**

### Selections

<table>
<thead>
<tr>
<th>Open drawer whenever [CA/UNIT] is pressed.*</th>
<th>Open drawer whenever [CHECK] is pressed.*</th>
<th>Print No. of Equal key operations on General Control X and Z reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

*Drawer does not open during registration procedures even if you press [CA/UNIT] or [CHECK] by turning the mode switch to CAL position.*

---

**Program Code No.**

1. **P3 appears in mode display**
2. **1 0 2 2**
3. **3**

Select a number from list A.

(To end the setting)
1. Troubleshooting

1-1 If the following things happen

<table>
<thead>
<tr>
<th>Symptom/Problem</th>
<th>Most common causes</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 E01 appears on the display.</td>
<td>Changing modes without completing transaction.</td>
<td>Return mode switch to where it stops buzzing and press [CA/INIT].</td>
</tr>
<tr>
<td>2 E08 appears on the display.</td>
<td>Sign on operation is not performed.</td>
<td>Prior to starting registration of any other operation, press [1 ~ 8] and then [CA].</td>
</tr>
<tr>
<td>3 E10 appears on the display.</td>
<td>Printer head (platen arm) is opened or no paper roll.</td>
<td>Close the platen arm firmly or enter paper roll.</td>
</tr>
<tr>
<td>4 E90 appears on the display.</td>
<td>Totals remain in the memory.</td>
<td>Issue the general control reset report, periodic reset report and PLU reset report.</td>
</tr>
<tr>
<td>5 E81 appears on the display.</td>
<td>Electronic journal memory becomes/is full.</td>
<td>Issue electronic journal reset report. (refer to page 18)</td>
</tr>
<tr>
<td>6 No date on receipt. Paper is not advancing enough.</td>
<td>Printer is programmed as a journal.</td>
<td>Program printer to print receipts.</td>
</tr>
<tr>
<td>7 Drawer opens up after ringing up only one time.</td>
<td>Department is programmed as a single item dept.</td>
<td>Program the dept. as a normal dept.</td>
</tr>
<tr>
<td>8 Not clearing totals at end of day after taking report.</td>
<td>Using X mode to take out reports.</td>
<td>Use Z mode to take out reports.</td>
</tr>
<tr>
<td>9 Programming is lost whenever register is unplugged or there is a power outage.</td>
<td>Bad or no batteries.</td>
<td>Put in new batteries.</td>
</tr>
<tr>
<td>10 Register is inoperative. Can’t get money out of drawer.</td>
<td>No power.</td>
<td>Pull lever underneath register at rear.</td>
</tr>
</tbody>
</table>

1-2 In case of power failure

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any ongoing transaction as well as all sales data in memory are protected by the memory backup batteries.

- Power failure during a registration
  The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.

- Power failure during printing a read/reset report
  The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.

- Power failure during printing of a receipt and the journal
  Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.

- Other
  The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.
1-3 When the L sign appears on the display

About the low battery indicator...
The following shows the low battery indicator.

If this indicator appears when you switch the cash register on, it can mean one of three things:
· No memory backup batteries are loaded in the cash register.
· The power of the batteries loaded in the unit is below a certain level.
· The batteries loaded in the unit are dead.
To clear this sign, press \text{AC} key.

Important!
Whenever the low battery indicator appears on the display, load a set of 2 new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.

**BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.**

2. Specifications

**INPUT METHOD**
- Entry: 10-key system; Buffer memory 8 keys (2-key roll over)
- Display (LED): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats

**PRINTER**
- Receipt: 12 digits (Amount 10 digits, Symbol 2 digits)
- (or Journal) Automatic paper roll winding (journal)
- Paper roll: 58 mm × 80 mm (Max.)

**CALCULATIONS**
- Entry 8 digits; Registration 7 digits; Total 8 digits

**CALCULATOR FUNCTION**
- 8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:
The effective service life of the memory protection batteries 2 (UM-3, or R6P (SUM-3) type batteries) is approximately one year from installation into the machine.

Power source/Power consumption: See the rating plate.
Operating temperature: 0°C to 40°C (32°F to 104°F)
Humidity: 10 to 90%
Dimensions/Weight: 188 mm(H) × 330 mm(W) × 360 mm(D) with S drawer
- 4 kg with S drawer
- 205 mm(H) × 410 mm(W) × 450 mm(D) with M drawer
- 8 kg with M drawer

*Specifications and design are subject to change without notice.*
**When the cash drawer does not open!**

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically. Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).

**Important!**
The drawer will not open, if it is locked with a drawer lock key.

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This mark applies in EU countries only.

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Manufacturer:
CASIO COMPUTER CO., LTD.
6-2, Hon-machi 1-chome, Shibuya-ku Tokyo 151-8543, Japan
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Casio-Platz 1, 22848 Norderstedt Germany

Please keep all information for future reference.