START-UP is QUICK and EASY!
Simple to use!
15 departments and 100 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.

---

**IMPORTANT**

**FOR PROGRAMMING ASSISTANCE**

**PLEASE CALL TOLL FREE**

1-800-638-9228

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**CASIO authorized service centers**

If your CASIO product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO.

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**Power supply**

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

---

**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.

---

**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.

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**Location**

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

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 (100V~240V). 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.

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.

Never touch the printer head and the platen.
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# Before you start

## Unpacking

- **User’s manual**
- **Drawer keys (2)**
- **Program key**
- **Operator key**
- **Drawers**
- **Roll paper**
- **Memory protection batteries**
- **Keyboard**
- **Take-up reel**
- **Operator display**
- **Rear customer display**
Getting to know your cash register

The position of the mode switch controls the type of operations you can perform on the cash register. The PROGRAM Key (marked PGM) that comes with the cash register can be used to select any mode switch setting, while the 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.

### Displays

1. **Total/Change indicator**
   The total or change indicator appears when a subtotal, total or change is obtained. These indicators are also used for department shift level.
2. **Department number display**
   Anytime you press a department key to register a unit price, the corresponding department number appears here.
3. **PLU number display**
   Anytime you perform a PLU registration, the corresponding PLU number appears here.
4. **Number of repeat display**
   Anytime you perform “repeat registration” (page 13), the number of repeats appears here. Note that only one digit is displayed for the number of repeats.
5. **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 registration (page 33).
6. **Character display**
   In the character programming (P2) mode, it shows the last entered character.
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. **M+/−**  
   Minus/Error correction key
3. **AC/C**  
   Clear key
4. **X/×**  
   Multiplication/for/Date time key
5. **PLU**  
   PLU (price look up) key
6. **%**  
   Reference number/Department shift key
7. **%TO%**  
   Percent/Clerk number key
8. **RC/TAX**  
   Received on account/Tax shift 1 key
9. **PD/TAX**  
   Paidout/Tax shift 2 key
10. **CH**  
    Charge key
11. **CHECK/NS**  
    Check/No sale key
12. **SUB TOTAL**  
    Subtotal key
13. **TAXABLE**  
    Merchandise subtotal key
14. **CA/AMT/TEND**  
    Cash amount tendered key
15. **0, 1, ~ 9, 00**  
    Numeric keys and 2-zero key
16. **÷, ×, −, +**  
    Department keys

- Department 6 through 15 are specified by pressing the **j** key (once or twice) respectively as follows:
  - **jG** → Department 6
  - **jS** → Department 7
  - ...  
  - **jjG** → Department 11
  - **jjG** → Department 15

**Calculator mode**

3. **AC**  
   AC key
5. **PLU**  
   Memory recall key
7. **%**  
   Percent key
10. **0, 1, ~ 9, 00**  
    Numeric keys and 2-zero key
13. **÷, ×, −, +**  
    Department keys
15. **+3, −2, ×1, ÷3**  
    Arithmetic operation key
18. **CA/AMT/TEND**  
    Equal key
21. **CH**  
    Drawer open 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.
3. Turn the mode switch to OFF.
1. Initialization and loading memory protection battery

To initialize the cash register
1. Set the mode switch to OFF.
2. Plug the power cord of the cash register into an AC outlet.
3. Load the memory protection batteries.
4. Set the Mode Switch to REG.

To load the memory protection batteries
1. Open the platen arm.
2. Press down on the oval just behind the printer paper inlet, and slide the battery compartment cover toward the back of the cash register.
3. Load 3 new SUM-3 ("AA") 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. Slide the memory protection battery compartment cover back into place.
5. Replace the printer paper and printer cover.

REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

2. To select the language

You can select the default printing language depending on the requirements in your area.
Default language is English.

Example:
Change the language to Spanish.
1. Set the mode switch to PGM.
2. Press the following keys.

\[29999\] Select numbers from list A.

<table>
<thead>
<tr>
<th>Language selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
</tr>
<tr>
<td>Spanish</td>
</tr>
<tr>
<td>French</td>
</tr>
</tbody>
</table>
3. Loading paper roll

1. To load journal paper
   ① Pressing down the printer open key.
   ② Open the platen arm.
   ③ Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.
   ④ Put the leading end of the paper over the printer.
   ⑤ Close the platen arm slowly until it locks steadily.
   ⑥ Remove the printer cover by lifting up the back.
   ⑦ Roll the paper onto the take-up reel a few turns.
   ⑧ Set the left plate of the take-up reel and place the reel into the register.
   ⑨ Press the FEED key to take up any slack in the paper.
   ⑩ Replace the printer cover slowly.

2. 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 Press the printer open key and open the platen arm.
   ⑦ Remove the core of the paper.
   ⑧ Load new paper following the instructions “1. To load journal paper”.

To load receipt paper
   ① In case of defining the printer as receipt printer, follow steps 1 through 5 of “To load journal paper”.
   ② Pass the leading end of the receipt paper through the paper outlet of the printer cover.
   ③ Tear off any excess paper.

To remove receipt paper
   ① In case of defining the printer as journal printer, follow steps 6 through 7 of “To remove a journal paper”.

Caution (in handling the thermal paper)
   1. Never touch the printer head and platen.
   2. Unpack the paper just before your 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 a rubber eraser.
4. Basic programming for QUICK START

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Insert the PROGRAM key (marked “PGM”) and rotate to PGM position.</td>
<td>Programming</td>
</tr>
<tr>
<td>2. Press the following keys to set the current time.</td>
<td>Setting the current time</td>
</tr>
<tr>
<td>Example: 13:18 PM = 1318</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Minutes</td>
</tr>
<tr>
<td>1 3 1 8</td>
<td>P appears in mode display</td>
</tr>
<tr>
<td>(to end the time setting)</td>
<td></td>
</tr>
<tr>
<td>• Enter 4 digits</td>
<td></td>
</tr>
<tr>
<td>• 24-hour time format</td>
<td></td>
</tr>
<tr>
<td>3. Press the following keys to set the current date.</td>
<td>Setting the current date</td>
</tr>
<tr>
<td>Example: July 19, 2003 = 030719</td>
<td></td>
</tr>
<tr>
<td>Year</td>
<td>Month</td>
</tr>
<tr>
<td>0 3 0 7 1 9</td>
<td>P appears in mode display</td>
</tr>
<tr>
<td>(to end the date setting)</td>
<td></td>
</tr>
<tr>
<td>• Enter 6 digits</td>
<td></td>
</tr>
<tr>
<td>• Enter last 2 digits for year set. (2003 → 03)</td>
<td></td>
</tr>
<tr>
<td>4. Press the following keys to define the printer as a receipt printer or a</td>
<td>Setting the printer</td>
</tr>
<tr>
<td>a journal printer.</td>
<td>attribution</td>
</tr>
<tr>
<td><strong>To define as a receipt printer</strong></td>
<td></td>
</tr>
<tr>
<td>1 SUB TOTAL</td>
<td>P appears in mode display.</td>
</tr>
<tr>
<td>1 CH</td>
<td>Enter “1” for receipt.</td>
</tr>
<tr>
<td><strong>To define as a journal printer</strong></td>
<td></td>
</tr>
<tr>
<td>1 SUB TOTAL</td>
<td>P appears in mode display.</td>
</tr>
<tr>
<td>0 CH</td>
<td>Enter “0” for journal.</td>
</tr>
</tbody>
</table>

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228
5. Follow the following steps.

5-1. Issue “Help directory report”.

The following report is issued.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-1</td>
<td>Follow the following steps.</td>
</tr>
<tr>
<td>5-2</td>
<td>Issue “Help directory report”.</td>
</tr>
</tbody>
</table>

**Select 02 (Tax table programming).**

```
ENTER NUMBER THEN PRESS <HELP> KEY.
01: HOW TO PROGRAM DATE AND TIME?
02: HOW TO PROGRAM TAX TABLE?
07: WHAT IS THE ELECTRONIC JOURNAL?
```

5-2. Issue “Tax table index report”.

The following report is issued.

```
SELECT 02 (Tax table programming).

02: HOW TO PROGRAM TAX TABLE?
- SELECT YOUR STATE AND ENTER NUMBER THEN PRESS <HELP> KEY.
0101: ALABAMA
0201: ALASKA
0301: ARIZONA
...
5001: WISCONSIN
5101: WYOMING
```

Select your state.

5-3. Issue “State tax table code report”.

The following report is issued.

```
PLEASE SELECT YOUR DISTRICT NUMBER FROM BELOW TABLE.
1) TURN MODE KEY TO PGM.
2) 3<subtotal>
3) 025<subtotal>
SET TABLE1
4) XXXX <cash>KEY.
SET TABLE2 (IF NECESSARY)
5) XXXX <cash>KEY.
6) <subtotal>
XXX IS DISTRICT NUMBER
ALABAMA
0101: 4% State
0102: 4.5% State & Local
0103: 5% State & Local
...
0111: 9% State & Local
```

Follow these steps.
5. Basic operation after basic programming

**Note:** Whenever an error is generated (E01 displayed), the input figures reset to 0. All printout samples are receipt images and the header (date, time and consecutive no.) are eliminated from the samples.

### 5-1 Open the drawer without a sale

![Operation and Printout Examples]

### 5-2 Basic operation

**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>Dept.</td>
<td>2</td>
<td>10</td>
</tr>
</tbody>
</table>

Cash Amount $5.00

### 5-3 Multiple registration on 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>2</td>
<td>2</td>
</tr>
</tbody>
</table>

### 5-4 Split sales of packaged items

**Example**

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>12/$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>3</td>
</tr>
<tr>
<td>Dept.</td>
<td>1</td>
</tr>
</tbody>
</table>
**Part-1 QUICK START OPERATION**

### 5-5 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>

You cannot perform the amount tendered operation using the \[CH\] key.

### 5-6 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>

### 5-7 Corrections

#### 5-7-1 Before you press a department key

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).

\[ ac \] key clears the last item entered.

**Example**

1. Entered 400 for unit price by mistake instead of 100.
2. Entered unit price first instead of quantity and then pressed \( \times \text{shift} \).

\[
\begin{array}{c}
\text{Operation} \\
\quad 2 \ 0 \ 0 \ \times \text{shift} \\
\quad \text{Unit price} \quad \text{Multiplication} \\
\quad \text{AC} \ \\
\quad \text{Clears the last item entered.} \\
\quad 5 \\
\quad \text{Quantity} \quad \text{Multiplication} \\
\quad 2 \ 0 \ 0 \ \times \text{shift} \\
\quad \text{Unit price} \quad \text{Registered department 2} \\
\end{array}
\]

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

\[
\begin{array}{c}
\quad 1 \ 0 \\
\quad \text{Quantity} \quad \text{Multiplication} \\
\quad \text{AC} \ \\
\quad \text{Clears the last item entered.} \\
\quad 1 \ 0 \\
\quad \text{Quantity} \\
\quad 1 \ 0 \ 5 \ \times \text{shift} \\
\quad \text{Correct entry} \quad \text{Registered department 3} \\
\end{array}
\]

**5-7-2 After you pressed a department key**

\( \times \text{shift} \) key cancels the last registered item.

Example

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

\[
\begin{array}{c}
\quad 5 \ 5 \ 0 \ \times \text{shift} \\
\quad \text{Wrong entry} \quad \times \text{shift} \\
\quad \text{Cancels the last item registered.} \\
\quad 5 \ 0 \ 5 \ \times \text{shift} \\
\quad \text{Correct entry} \quad \text{Registered department 1} \\
\end{array}
\]

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

\[
\begin{array}{c}
\quad 3 \\
\quad \text{Quantity} \quad \text{Multiplication} \\
\quad 2 \ 2 \ 0 \ \times \text{shift} \\
\quad \text{Wrong entry} \quad \times \text{shift} \\
\quad \text{Cancels the last item registered.} \\
\quad 3 \\
\quad \text{Correct entry} \quad \text{Registered department 2} \\
\end{array}
\]

\[
\begin{array}{c}
\quad 5 \times 2.00 \ \text{TAXABLE} \ T1 \ \$10.00 \\
\quad 3 \times 2.20 \ \text{TAXABLE} \ T1 \ \$6.60 \\
\quad 3 \times 2.30 \ \text{TAXABLE} \ T1 \ \$6.90 \\
\quad 10 \times 1.05 \ \text{DEPT03} \ \$10.50 \\
\quad \text{ERR CORR} -6.60 \\
\quad \text{ERR CORR} -5.50 \\
\quad \text{ERR CORR} -5.05 \\
\quad 3 \times 0.20 \ \text{TAXABLE} \ T1 \ \$6.60 \\
\end{array}
\]
Part-1 QUICK START OPERATION

6. 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.

6-1 Financial report

Mode switch to

X (Read)

Z (Reset)

6-2 Daily/Periodic read/reset report

6-2-1 Daily read/reset report

Mode switch to X

(Read)

Mode switch to Z

(Reset)

Z (Reset) report

6-2-2 Periodic read/reset report

Mode switch to X or Z

10

E
1. Various programming

1-1 Unit price for departments

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>$1.00</th>
<th>$2.20</th>
<th>$11.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept.</td>
<td>1</td>
<td>2</td>
<td>10</td>
</tr>
</tbody>
</table>

1 SUB TOTAL

P appears in mode display

1 0 0 - 1 (For Dept. 1)
1 1 0 0 - 5 (For Dept. 10)

- Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate 2.5%

1 SUB TOTAL

P appears in mode display

2 5 SUB TOTAL

(To end the setting)

- The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for departments

Tax status for the Departments are fixed as follows:
Department 2: Taxable status 1
Other departments: Nontaxable status.

Example

<table>
<thead>
<tr>
<th>Status</th>
<th>Nontaxable</th>
<th>Taxable 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depts.</td>
<td>1~5, 11</td>
<td>6~10</td>
</tr>
</tbody>
</table>

1 SUB TOTAL

P appears in mode display

Nontaxable

For Depts. 1, 2, 3, 4 and 5

Taxable status 1

For Depts. 6, 7, 8, 9 and 10

(To end the setting)

Selections

- Taxable status 1
- Taxable status 2
- Taxable status 1 and 2
- Nontaxable status
Part-2 CONVENIENT OPERATION

1-4 Status for department

Example

<table>
<thead>
<tr>
<th>Depts.</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

- **Normal department**: Maximum No. of digits to be 4
  - For Dept. 1
  - Single item sale department

- **Normal department**: Maximum No. of digits to be 5
  - For Dept. 2
  - Single item sale department

(Number of digits for the percent key of the department)

- **Normal department**: Maximum No. of digits to be 4
- **Minus department**: Maximum No. of digits to be 5

- **Selections**
  - Normal department
  - Minus department

- **Selections**
  - No limitation for manually entered price.
  - Maximum number of digits for manually entered price (1 ~ 7 digits).
  - To prohibit manual price entries.

- **Selections**
  - Normal sale (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

Taxable status 1 and 2 are fixed for the percent key.

Example

Change percent key registration as a nontaxable.
1-5-2 Status for percent key

Example

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

P3 appears in mode display

Round up

1 1 %+

Premiun (%+)

(To end the setting)

Selections

<table>
<thead>
<tr>
<th>Rounding of results produced by percent key operation.</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round off (1.544=1.54; 1.545=1.55)</td>
<td>0</td>
</tr>
<tr>
<td>Round up (1.544=1.55; 1.545=1.55)</td>
<td>1</td>
</tr>
<tr>
<td>Cut off (1.544=1.54; 1.545=1.54)</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program percent key to register discounts (%–).</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program percent key to register premiums (%+).</td>
<td>1</td>
</tr>
<tr>
<td>Program percent key to function as a manual tax key.</td>
<td>2</td>
</tr>
</tbody>
</table>

1-6 Taxable status for minus key

Example

Change minus key registrations
taxable 1 status.

P appears in mode display

Taxable 1 status

(To end the setting)

Selections

<table>
<thead>
<tr>
<th>Taxable status 1</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxable status 2</td>
<td></td>
</tr>
<tr>
<td>Taxable status 1 and status 2</td>
<td></td>
</tr>
<tr>
<td>Nontaxable status</td>
<td></td>
</tr>
</tbody>
</table>
1-7 General features

1-7-1 To set general controls

P3 appears in mode display

To set general controls

Program code No.

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

Maintain key buffer during receipt issue in REG mode.
Reset the transaction number to zero whenever a daily reset report is issued.
Allow credit balance registration.

Selections

No
Yes

Selections

No
Yes

Selections

No
Yes

Selections

No
Yes

Use the key as a 000 key.
Clerk (sign-on/off operation) is used.

Selections

No
Yes

Selections

No
Yes

Selections

No
Yes
1-7-2 To set printing controls

![Diagram]

*Selections*

**A**
- Use the printer to print a journal.
- Use the printer to print receipts.

**B**
- Print zero-total item on the daily/periodic read/reset reports.
- Print receipt by single/double height characters.
  - BY SINGLE HEIGHT: Yes or No
  - BY DOUBLE HEIGHT: Yes or No

**C**
- Print RF mode count/amount on the daily read/reset report.
- Print the grand sales total on the daily reset report.
- Print the time on the receipt and journal.
  - Yes or No

**D**
- Print the consecutive number on the receipt/journal.
- Print the subtotal on the receipt/journal when the subtotal key is pressed.
- Skip item print on journal.
  - Yes or No
1-8 PLU setting

1-8-1 Linkage with departments

**Example**

<table>
<thead>
<tr>
<th>PLU No.</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link Dept. No.</td>
<td>1</td>
</tr>
</tbody>
</table>

P3 appears in mode display

1 1 PLU 1 CA/AMT/ITEM

1 0 0 PLU

1 0 CA/AMT/ITEM

Dept. No. to be linked

(To end the setting)

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linked to dept. 15.</td>
</tr>
<tr>
<td>Linked depts. 1-15 respectively.</td>
</tr>
</tbody>
</table>

- 100 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 15.
- Status for a single-item sale and tax status follow the specified linked department.

**Note:**

DO NOT link to minus department.
1-8-2 Unit prices for PLUs

Example

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

- Unit prices within the range of $0.01~999.99.

1-9 To control tax status printing

Example

<table>
<thead>
<tr>
<th>Program set code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
</tr>
</tbody>
</table>

- Select a number from list A
- Enter "0" (fixed code)
- Select a number from list B

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Tax status symbols.</td>
</tr>
<tr>
<td>Do not print Tax status symbols.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Selections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print taxable amount.</td>
</tr>
<tr>
<td>Print taxable amount and tax amount for Add-in.</td>
</tr>
</tbody>
</table>

- Yes | 0
- No | 1

- Yes | 2
- No | 3
1-10 To program department, PLU, clerk name

1-10-1 Character keyboard

- **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.

- **Clear key**
  Use this key to clear all input characters in the programming.

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

- **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.

- **Delete key**
  Use this key to delete character just entered.

- **PLU key**
  Use this key to input PLU code.

- **Department keys**
  Use this key to specify department.

- **Department shift key**
  Use this key to shift department.

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

1-10-2 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

Refer to 1-10-6

(To end the setting)
1-10-3 Programming
PLU name

Example

| PLU (1 ~ 100) | 1 | 50 |
| PLU No. | 9 8 4 4 1 1 3 3 |
| Name | DAIRY HBA |

P2 appears in mode display

(To end the setting)

1-10-4 Programming
clerk name

Example

| Clerk (1 ~ 8) | 1 | 5 |
| Clerk No. | 5 6 6 6 4 4 6 6 |
| Name | JOHN KATE |

P2 appears in mode display

(To end the setting)

1-10-5 Programming
receipt message

Example

| Line (1 ~ 5) | 2 |
| Message | THANK YOU |

P2 appears in mode display

(To end the setting)
1-10-6 Alphabetic 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>A, B, C, a, b, c, 8, …</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 key</td>
<td>A</td>
<td>8.01</td>
<td>A</td>
<td>8.02</td>
<td>B</td>
<td>8.03</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>8.08</td>
<td>A</td>
<td>8.09</td>
<td>B</td>
<td>8.10</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>8.15</td>
<td>A</td>
<td>8.16</td>
<td>B</td>
<td>8.17</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8.22</td>
<td>8.23</td>
<td>8.23</td>
<td>8.23</td>
<td>8.23</td>
<td>8.23</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D, E, F, d, e, f, 9, …</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 key</td>
<td>D</td>
<td>9.01</td>
<td>E</td>
<td>9.02</td>
<td>F</td>
<td>9.03</td>
<td>d</td>
</tr>
<tr>
<td></td>
<td>e</td>
<td>9.15</td>
<td>e</td>
<td>9.16</td>
<td>e</td>
<td>9.17</td>
<td>e</td>
</tr>
<tr>
<td></td>
<td>returns to the beginning</td>
<td>returns to the beginning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G, H, I, g, h, i, 4, …</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>g</th>
<th>h</th>
<th>i</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 key</td>
<td>G</td>
<td>4.01</td>
<td>H</td>
<td>4.02</td>
<td>I</td>
<td>4.03</td>
<td>g</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>4.08</td>
<td>I</td>
<td>4.09</td>
<td>I</td>
<td>4.10</td>
<td>I</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>4.15</td>
<td>4.16</td>
<td>4.16</td>
<td>4.16</td>
<td>4.16</td>
<td>4.16</td>
</tr>
<tr>
<td></td>
<td>returns to the beginning</td>
<td>returns to the beginning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>J, K, L, j, k, l, 5, …</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>j</th>
<th>k</th>
<th>l</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 key</td>
<td>J</td>
<td>5.01</td>
<td>K</td>
<td>5.02</td>
<td>L</td>
<td>5.03</td>
<td>j</td>
</tr>
<tr>
<td></td>
<td>returns to the beginning</td>
<td>returns to the beginning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M, N, O, m, n, o, 6, …</th>
<th>M</th>
<th>N</th>
<th>O</th>
<th>m</th>
<th>n</th>
<th>o</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 key</td>
<td>M</td>
<td>6.01</td>
<td>N</td>
<td>6.02</td>
<td>O</td>
<td>6.03</td>
<td>m</td>
</tr>
<tr>
<td></td>
<td>returns to the beginning</td>
<td>returns to the beginning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Part-2 CONVENIENT OPERATION

<table>
<thead>
<tr>
<th>Key</th>
<th>Symbols, ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>P, Q, R, S, p, q, r, s, 1, ...</td>
<td>0.01 0.02 0.03 0.04</td>
</tr>
<tr>
<td>T, U, V, t, u, v, 2, ...</td>
<td>0.08 0.09 0.10</td>
</tr>
<tr>
<td>W, X, Y, Z, w, x, y, z, 3, ...</td>
<td>0.15 0.16</td>
</tr>
<tr>
<td>0, 0 key</td>
<td>0.01</td>
</tr>
</tbody>
</table>

#### 7, Symbols, ...

<table>
<thead>
<tr>
<th>Key</th>
<th>Symbols, ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0.01 0.02 0.03 0.04</td>
</tr>
</tbody>
</table>

#### Printing character

A → B

R.01 → B.02

Indication of the above character
Part-2 CONVENIENT OPERATION

1-11 Printing to read all preset data

1-11-1 Printing preset data except PLU settings

Mode switch

CAL  REG  X  Z

OPERATION

Printout

1-11-2 Printing preset PLU settings

Mode switch

CAL  REG  X  Z

OPERATION

Printout
2. Various operations

2-1 Registration using preset price for departments

(Programming: See page 17)

<table>
<thead>
<tr>
<th>Operation</th>
<th>Printout</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Tax</strong></td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Taxable</strong></td>
<td>$2.20</td>
</tr>
<tr>
<td><strong>Taxable</strong></td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$4.49</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$49.58</td>
</tr>
<tr>
<td><strong>Cash</strong></td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>Change</strong></td>
<td>$0.42</td>
</tr>
</tbody>
</table>

Example

<table>
<thead>
<tr>
<th>Unit Price</th>
<th>1.00</th>
<th>2.20</th>
<th>11.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Depts.</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Amount tendered</td>
<td>$50.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-2 Single-Item Sales

(Programming: See page 18)

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>
<tr>
<td>Dept.</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>
<tr>
<td>Dept.</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Single-item sale cannot be finalized if an item is registered previously.
Part-2 CONVENIENT OPERATION

2-3 Check sales

Example

| Unit Price | $35.00 |
| Quantity | 2 |
| Dept. | 4 |

Operation

Repeat

3 5 0 0 - 4

Printout

DEPT04 $35.00
CHECK $70.00

Check sales

2-4 Change the tax status

(Programming: See page 18)

Example

| Unit Price | $1.00 $2.00 |
| Quantity | 1 1 |
| Dept. | 1 2 |
| Preset Status | Non-taxable Taxable 1 |
| This Registration | Taxable 1 Taxable 1 |

Operation

Repeat

1 0 0 - 1

Printout

NON-TAX T1 $1.00
TAXABLE T1 $2.00
TAX-AMT1 $3.00
TAX1 $0.12
CASH $3.12

Manual tax

2-5 Manual tax

Example

| Unit Price | $1.00 $2.00 |
| Quantity | 1 1 |
| Dept. | 1 2 |

Operation

Repeat

1 0 0 - 1

Printout

NON-TAX $1.00
TAX $0.10
TAXABLE T1 $2.00
TAX-AMT1 $3.00
TAX1 $0.08
CASH $3.08

Manual tax

key is programmed to function as a manual tax key (see page 20).

2-6 PLU operation

(Programming: See page 22)

Example

| PLU No. | 1 2 |
| Unit price | $1.00 $2.00 |
| Quantity | 2 4 |
| Link Dept. No. | 1 1 |
| Cash amount tendered | $10.00 |

Operation

Repeat

1 PLU

PLU0001 $1.00
PLU0002 $1.00
4 X
PLU0002 $8.00
CASH $10.00

2 PLU
2-7 PLU Single-Item Sale

(Programming: See page 22)

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>

- For this example, linked department 1 is programmed for a single-item sale. (Programming: See page 18)
- Single-item sale cannot be finalized if an item is registered previously.

2-8 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>2</td>
<td>3</td>
</tr>
<tr>
<td>Depts.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Cash amount tendered</td>
<td>$20.00</td>
<td></td>
</tr>
<tr>
<td>Check</td>
<td>$36.20</td>
<td></td>
</tr>
</tbody>
</table>

You can issue a post receipt after finalizing a transaction by pressing .

Note that all of the following condition must be satisfied:
- Print “receipt” option is selected.
- The receipt issuance status must be “OFF”.
- The transaction must be finalized in the REG/RF mode using , , or .

2-9 Post receipt issuance

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>2</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>

<table>
<thead>
<tr>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>You can issue only one post receipt per transaction.</td>
</tr>
</tbody>
</table>

If the transaction contains more than 20 lines (including receipt header), then the total formatted post receipt is issued.
2-10 Refund

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

2-11 Clerk assignment

Clerk assignment system is used to control each clerk sales total. When you select this function on page 20, you can get 8 clerk sales data.

Clerk assignment must be performed prior to starting registration or any other operation, except Program mode.
2-12 Other registrations

2-12-1 Reading the time and date

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/min</td>
<td>13:53</td>
</tr>
<tr>
<td>N/min</td>
<td>07-19-03</td>
</tr>
<tr>
<td>AC C</td>
<td>0.00</td>
</tr>
</tbody>
</table>

- Flashes per second

2-12-2 Paid out from cash in drawer

<table>
<thead>
<tr>
<th>1 0 0 0</th>
<th>PD</th>
<th>$10.00</th>
</tr>
</thead>
</table>

Paid out amount

2-12-3 Cash received on account

<table>
<thead>
<tr>
<th>6 0 0</th>
<th>RC</th>
<th>$6.00</th>
</tr>
</thead>
</table>

Received on account amount

2-12-4 Registering identification numbers

| 5 0 +1 1 2 3 4 5 6 7 8 | NON-TAX | $0.50  |
| 1 2 3 4 5 6 7 8        | CASH    | $0.50  |

Reference No. or ID No.

A reference number or ID number of up to 8 digits can be registered prior to any transaction.
2-12-5 Reduction on subtotal

Example
Amount due reduced by $0.50.

\[\begin{array}{c}
1&0&0
\\
2&0&0
\\
5&0
\end{array}\]

\[\begin{array}{l}
\text{TAXABLE T1: } $1.00 \\
\text{DEPT04: } $2.00 \\
\text{ST: } $3.04 \\
\text{TAX-AMT1: } -0.50 \\
\text{TRX1: } $0.04 \\
\text{CASH: } $2.54
\end{array}\]

See page 21 to print the subtotal line.

2-12-6 Premium/Discount

• 2.5% premium/discount (programmed to \(\%\) key) applied to first item.

• Be sure to use \(\%\) key when you wish to apply a premium/discount to the subtotal. You cannot use the \(\%\) key.

• 7% premium/discount applied to transaction total.

• For programming the \(\%\) key as percent minus or percent plus, see page 19.

• For programming percent rate, see page 17.
2-13 PLU report

Mode Switch to X
(Read)

Mode Switch to Z
(Reset)

Report code/title
/Reset counter
PLU name/No. of items
Amount
PLU total count
PLU total amount

2-14 About the daylight saving time

It is possible to set the internal clock forward/backward by 1~9 hour(s) for the daylight saving time.

- Forward by 1 hour

- Backward by 1 hour

*Put 2 ~ 9, in case of set the clock by 2~9 hours.
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

#### Operation

<table>
<thead>
<tr>
<th>Display</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5 +3 –2 =</td>
</tr>
<tr>
<td>6</td>
<td>(23–56)×78=</td>
</tr>
<tr>
<td>-2594</td>
<td>12% on 1500</td>
</tr>
<tr>
<td>180</td>
<td></td>
</tr>
</tbody>
</table>

### 1-2 Memory recall

Recalls the current amount onto the display.

- during registration: current subtotal
- registration has been completed: the last amount

#### On CAL mode

Example

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

#### On REG mode

Recalls the current result by pressing **PLU** key at CAL mode on the display.

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

P3 appears in mode display

Program code No.

Select a number from list A.

(To end the setting)

<table>
<thead>
<tr>
<th>Selections</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, Open drawer whenever</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>CA/AMT is pressed.*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No, Open drawer whenever</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>M is pressed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, Print No. of Equal</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>key operations on</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Control X and Z</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>reports.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Drawer does not open during registration procedures even if you press CA/AMT by turning the mode switch to CAL position.
1. Troubleshooting

<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 key to where it stops buzzing and press ( ).</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 ( ) and then ( ).</td>
</tr>
<tr>
<td>3 E10 appears on the display.</td>
<td>Printer is not closed steadily.</td>
<td>Close the printer steadily.</td>
</tr>
<tr>
<td></td>
<td>No paper</td>
<td>Replace new paper roll.</td>
</tr>
<tr>
<td>4 No date or time on receipt.</td>
<td>Printer is programmed as a journal.</td>
<td>Program printer to print receipts.</td>
</tr>
<tr>
<td>5 Key won't turn to Z, X, PGM and RF modes.</td>
<td>Using OP key.</td>
<td>Use the PGM key.</td>
</tr>
<tr>
<td>6 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>7 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>8 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>9 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>

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.

Note: If you cannot resolve your difficulty, please feel free to call your dealer or 1-800-638-9228.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A.
(Not applicable to other areas)

WARNING: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
2. Specifications

Input method:
- Entry: 10-key system; Buffer memory 16 keys (2-key roll over)
- Display (Digitron): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats; TOTAL; CHANGE

Printer:
- Receipt: 24 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 (3 UM-3, R6P (SUM-3) or LR6 (AM-3) type batteries) is approximately one year from installation into the machine.

Power source: AC 120V, AC (±10%) fixed.

Power consumption: 0.07A on stand-by; 0.11A maximum

Operating temperature: 32°F to 104°F (0°C to 40°C)

Humidity: 10 to 90%

Dimensions: 10"(H) × 13"(W) × 17 3/4"(D) with S drawer (254 mm(H) × 330 mm(W) × 450 mm(D))

Weight: 11 lbs (5 kg) with S drawer

Specifications and design are subject to change without notice.

LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

This product, except the battery, is warranted by Casio to the original purchaser to be free from defects in material and workmanship under normal use for a period, from the date of purchase, of one year for parts and 90 days for labor. For one year, upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio’s option, at a Casio Authorized Service Center without charge for parts. Labor will be provided without charge for 90 days. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of ninety (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed. For a period of ninety (90) days, upon proof of license, Casio will, at its option, replace defective terminal resident software or programmable software, correct significant program errors, or refund the license fee for such software. Significant program errors will be significant deviations from written documentation or specifications. These are your sole remedies for any breach of warranty. In no event will Casio’s liability exceed the license fee, if any, for such software. This warranty will not apply if the product has been misused, abused, or altered.

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CASIO, INC.
570 MOUNT PLEASANT AVENUE,
P. O. BOX 7000, DOVER, NEW JERSEY 07801 U.S.A.

Model: ...................................... Serial Number: ................. Date of Purchase: ..............................
Your Name: ..................................................................................................................... ........................................
Address: ....................................................................................................................... ...........................................
Dealer’s Name: ............................................................................................................. ...............................
Address: ....................................................................................................................... ...........................................