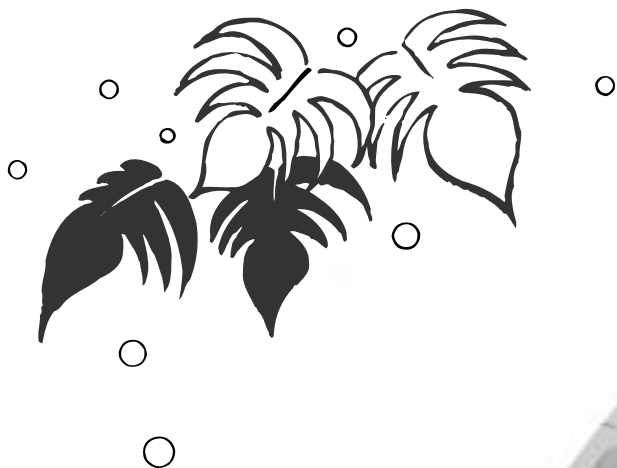


# PCR-262/CE-160

## Electronic Cash Register



### User's Manual

*START-UP is QUICK and EASY!*  
*Simple to use!*  
10 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

**CASIO**®   


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**

### **CASIO Authorized Service Centers**

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

### **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 (120 V, 50/60 Hz). 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.

## 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  $\triangle$  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  $\otimes$  symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.



The  $\bullet$  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. 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.



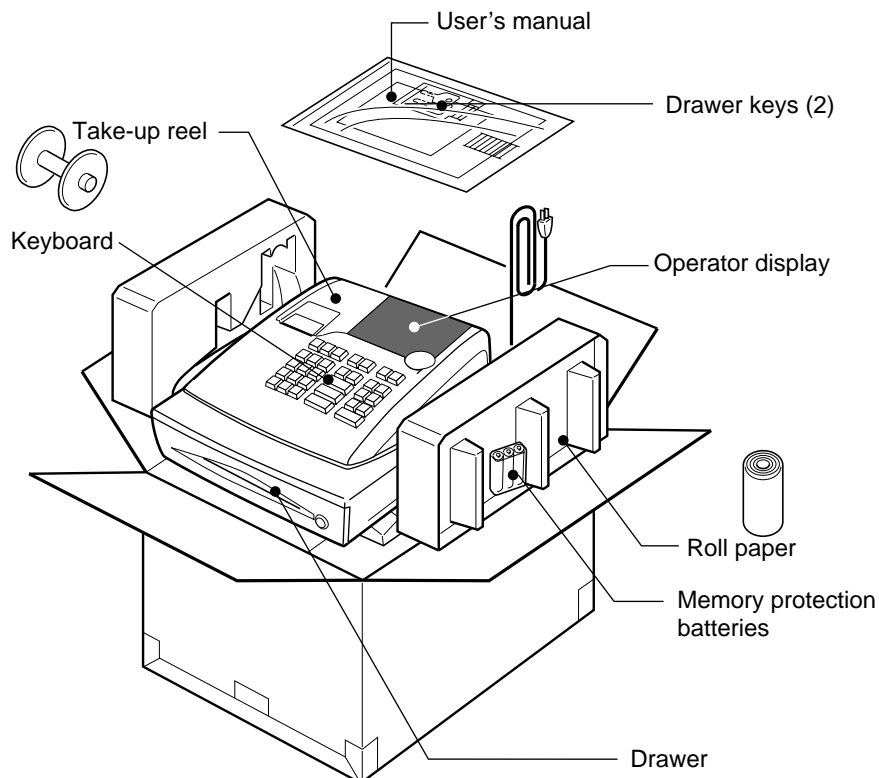
Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

# Contents

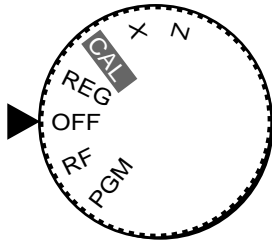
Getting to know your cash register .....	6
Daily Job Flow .....	8
<b>Part-1 QUICK START OPERATION .....</b>	<b>9</b>
(You can operate this ECR on a basic level by reading the following sections)	
1. Initialization .....	9
2. Loading Paper .....	10
3. Basic Programming for QUICK START – TIME/DATE .....	11
4. Basic Operation after Basic Programming .....	17
5. Daily Management Report .....	20
<b>Part-2 CONVENIENT OPERATION .....</b>	<b>22</b>
(Please keep these sections to expand your use.)	
1. Various Programming .....	22
2. Various Operations .....	31
<b>Part-3 CALCULATOR FUNCTION.....</b>	<b>38</b>
1. Calculator Mode .....	38
<b>Part-4 USEFUL INFORMATION .....</b>	<b>40</b>
1. Troubleshooting .....	40
2. Specifications .....	40
3. Warranty Card .....	41

## Before you start

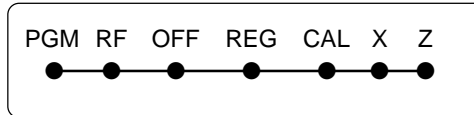
### Unpacking



## Getting to know your cash register



The position of the Mode Switch controls the type of operations you can perform on the cash register.



**Note:**

An error is generated (E01 displayed) whenever the position of the Mode Switch is changed during registration or programming.

**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.

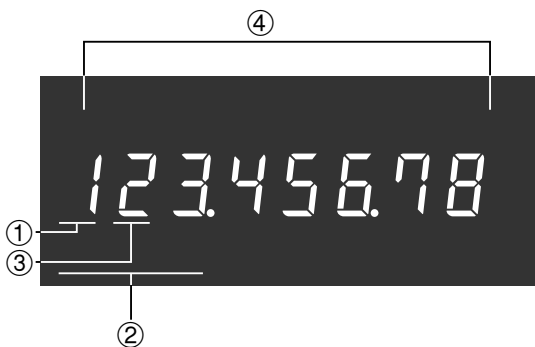
**X (Read)**

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



**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 17), the number of repeats appears here.

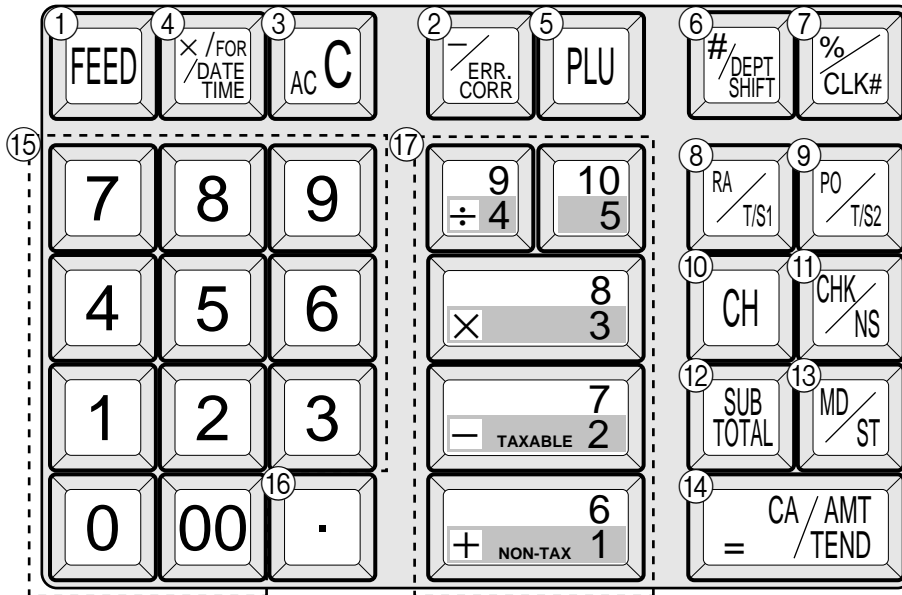
Note that only one digit is displayed for the number of repeats.

**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 registration (page 35).

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

- ⑰

### Department keys

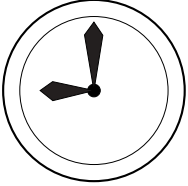
- Department 6 through 10 are specified by pressing the key respectively as follows:

- Department 6    → Department 7
- Department 8    → Department 9
- Department 10

### Calculator Mode

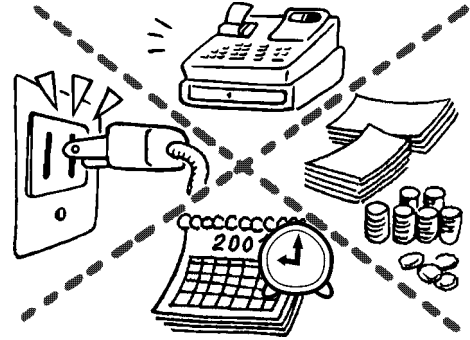
- ③ AC key
- ⑤ Memory Recall key
- ⑦ Percent key
- ⑮ **0**, **1**, ~ **9**, **00**  
Numeric keys and 2-zero key
- ⑯ Decimal key
- ⑰   
Arithmetic Operation key
- ⑭ Equal key
- ⑪ Drawer Open key

## Daily Job Flow



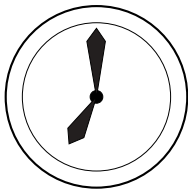
### Before Opening The Store

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



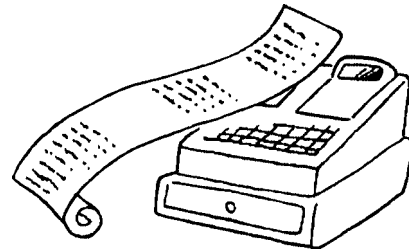
### While The Store Is Open

1. Registrations.
2. Issuing latest daily sales total if needed. (Generating report by Mode Switch to X position.)



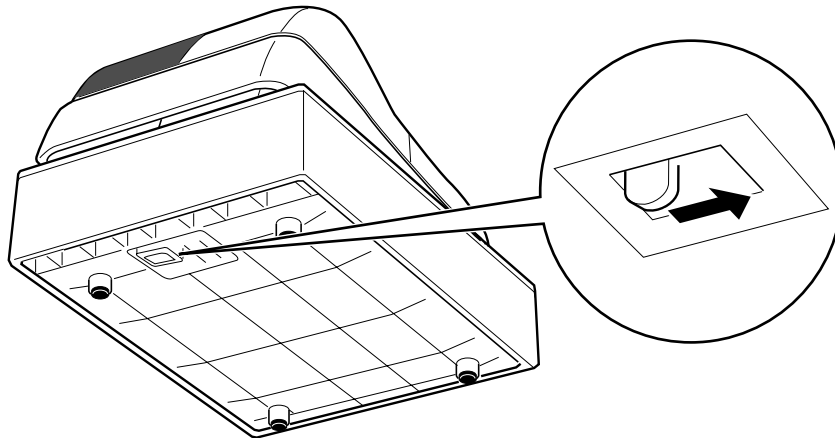
### After Closing The Store

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.



### 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.



# 1. Initialization and Loading Memory Protection Battery

**Important**  
 You must initialize the Cash register and install the memory protection batteries before you can program the cash register.



(Figure 1)

### ► 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.

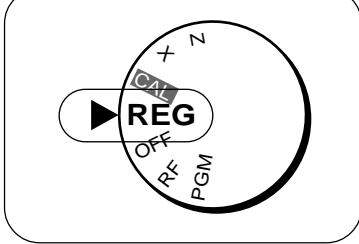
### ► To load the memory protection batteries

1. Remove the printer cover.
2. Open the battery compartment cover.
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. Loading Paper Roll And Replacing The Printer's Ink Roll

### Mode Switch to REG



### 1. To load journal paper

- ① Remove the printer cover by lifting up the back.



- ② Put a roll of journal paper into the holder.
- ③ Cut the leading end of the roll paper with scissors and insert the paper into the inlet.



- ④ Press the **FEED** key until 20 or 30 cm of paper is fed from the printer.
- ⑤ Roll the paper onto the take-up reel a few turns.



- ⑥ Set the left plate of the take-up reel and place the reel into the register.



- ⑦ Press the **FEED** key to take up any slack in the paper.
- ⑧ Replace the printer cover by placing the cover's front tab into the register's groove.



### 2. To remove journal paper

- ① Remove the printer cover following the instructions above.
- 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 Cut off the paper left in the printer and press the **FEED** key until the remaining paper is fed out from the printer.



- ⑦ Remove the core of the paper.



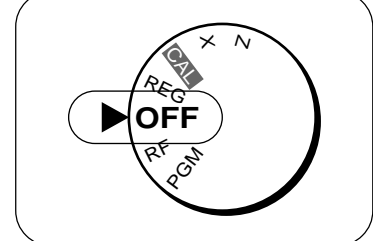
- ⑧ Load new paper following the instructions above, and replace the printer cover.

Default printer setting is for Journal.  
To print receipts, please refer to 1-7-3 on page 27 to switch the printer for Receipt or Journal.

### ▶ To load receipt paper

- ① To use the printer to print receipts, follow steps 1 through 4 of "To load journal paper".
- ② Pass the leading end of the receipt paper through the printer cover's paper outlet and replace the printer cover.
- ③ Tear off any excess paper.

### Mode Switch to OFF



### ▶ To replace the ink roll

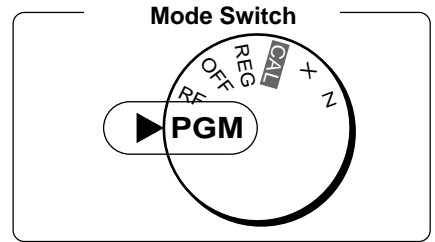
- ① Remove the printer cover.
- ② Lift up the tab on the ink roll marked "PULL UP".



- ③ Install a new Ink Roll and press it down firmly but gently until it snaps into place.
- ④ Replace the printer cover onto the cash register.
- ⑤ Press the **CHK/INS** key to check for correct operation.

**Options:** Roll paper – P-5860  
Ink Roll – IR-40

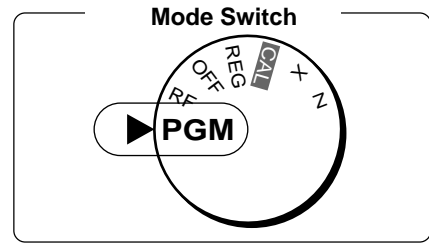
### 3. Basic Programming for QUICK START



Part-1

Procedure	Purpose																																												
<p>1. Turn the mode switch to PGM position.</p>	Programming																																												
<p>2. Press the following keys to set the current time. Example: 13:18 PM = 1318</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p><b>1</b> <b>3</b> <b>1</b> <b>8</b></p> <p>Time          Minutes</p> </div> <div style="margin-right: 10px;"> <p><b>1</b> SUB TOTAL</p> <p>X / FOR / DATE TIME</p> <p>AC C</p> </div> <div style="margin-right: 10px;"> <p>P appears in mode display</p> <p>(to end the time setting)</p> </div> </div> <ul style="list-style-type: none"> <li>• Enter 4 digits</li> <li>• 24-hour time format</li> </ul>	Setting the current time																																												
<p>3. Press the following keys to set the current date. Example: April 19, 2005 = 050419</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p><b>0</b> <b>5</b> <b>0</b> <b>4</b> <b>1</b> <b>9</b></p> <p>Year          Month          Date</p> </div> <div style="margin-right: 10px;"> <p><b>1</b> SUB TOTAL</p> <p>X / FOR / DATE TIME</p> <p>AC C</p> </div> <div style="margin-right: 10px;"> <p>P appears in mode display</p> <p>(to end the date setting)</p> </div> </div> <ul style="list-style-type: none"> <li>• Enter 6 digits</li> <li>• Enter last 2 digits for year set. (2006 → 06)</li> </ul>	Setting the current date																																												
<p>4. For USA Find the tax table for your state on pages 13 through 16 of this manual. Press the following keys to set the tax tables 1 and 2. Example 1: Set Alabama state tax 4%.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p><b>0</b> <b>1</b> <b>2</b> <b>5</b></p> <p><b>3</b> SUB TOTAL</p> <p><b>0</b> = CA / AMT / TEND</p> <p><b>1</b> = CA / AMT / TEND</p> <p><b>1</b> = CA / AMT / TEND</p> <p><b>1</b> <b>0</b> = CA / AMT / TEND</p> <p><b>3</b> <b>0</b> = CA / AMT / TEND</p> <p><b>5</b> <b>4</b> = CA / AMT / TEND</p> <p><b>7</b> <b>3</b> = CA / AMT / TEND</p> <p><b>1</b> <b>1</b> <b>0</b> = CA / AMT / TEND</p> <p>SUB TOTAL</p> </div> <div style="margin-right: 10px;"> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 1</p> <p>1st code for 4%</p> <p>Last code for 4%</p> <p>(to end the setting)</p> </div> <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <table border="1"> <thead> <tr> <th colspan="4">ALABAMA</th> </tr> <tr> <th>4%</th> <th>5%</th> <th>6%</th> <th>6%</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>10</td><td>10</td><td>8</td><td>9</td></tr> <tr><td>30</td><td>29</td><td>24</td><td>20</td></tr> <tr><td>54</td><td>49</td><td>41</td><td>40</td></tr> <tr><td>73</td><td>69</td><td>58</td><td>55</td></tr> <tr><td>110</td><td>89</td><td>70</td><td>90</td></tr> <tr><td></td><td>110</td><td></td><td>109</td></tr> </tbody> </table> </div> </div>	ALABAMA				4%	5%	6%	6%	0	0	0	0	1	1	1	1	1	1	1	1	10	10	8	9	30	29	24	20	54	49	41	40	73	69	58	55	110	89	70	90		110		109	Setting the Tax table 1
ALABAMA																																													
4%	5%	6%	6%																																										
0	0	0	0																																										
1	1	1	1																																										
1	1	1	1																																										
10	10	8	9																																										
30	29	24	20																																										
54	49	41	40																																										
73	69	58	55																																										
110	89	70	90																																										
	110		109																																										

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228



Procedure	Purpose					
<p>Example 2: Set Colorado state tax 5.25%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">3</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">0 2 2 5</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">5 . 2 5</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">5 0 0 2</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center;"> <span style="font-size: 24px; margin-right: 5px;">SUB TOTAL</span> </div> <p>P3 appears in mode display</p> <p>Program set code No. for Tax table 2</p> <p>5.25% tax</p> <p>50 for Round off and 02 for Add On</p> <p>(to end the setting)</p>	<p>Setting the Tax table 2</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">COLORADO</td></tr> <tr><td style="text-align: center;">5.25%</td></tr> <tr><td style="text-align: center;">5.25</td></tr> <tr><td style="text-align: center;">5002</td></tr> </table>	COLORADO	5.25%	5.25	5002	
COLORADO						
5.25%						
5.25						
5002						
<ul style="list-style-type: none"> <li>Tax table 2 programming can set only tax rate, but not for a tax break point.</li> </ul> <p>4. For CANADA</p> <p>Find the tax table for your province on page 16 of this manual.</p> <p>Press the following keys to set the tax tables 1 and 2.</p> <p>Example 1: Set Quebec tax 9%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">3</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">0 1 2 5</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">9</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">9 0 0 2</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center;"> <span style="font-size: 24px; margin-right: 5px;">SUB TOTAL</span> </div> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 1</p> <p>9% tax</p> <p>90 for round up and 02 for Add On.</p> <p>(to end the setting)</p>	<p>Setting the Tax table 1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">CANADA</td></tr> <tr><td style="text-align: center;">QUEBEC</td></tr> <tr><td style="text-align: center;">9%</td></tr> <tr><td style="text-align: center;">9</td></tr> <tr><td style="text-align: center;">9002</td></tr> </table>	CANADA	QUEBEC	9%	9	9002
CANADA						
QUEBEC						
9%						
9						
9002						
<p>Example 2: Set Ontario tax 10%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">3</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">0 2 2 5</span> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">1 0</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <span style="font-size: 24px; margin-right: 5px;">5 0 0 4</span> <span style="border: 1px solid black; padding: 2px;">CA/AMT TEND</span> </div> <div style="display: flex; align-items: center;"> <span style="font-size: 24px; margin-right: 5px;">SUB TOTAL</span> </div> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 2</p> <p>10% tax rate</p> <p>50 for Round off and 04 for tax on tax code</p> <p>(to end the setting)</p>	<p>Setting the Tax table 2</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">CANADA</td></tr> <tr><td style="text-align: center;">ONTARIO</td></tr> <tr><td style="text-align: center;">10%</td></tr> <tr><td style="text-align: center;">10</td></tr> <tr><td style="text-align: center;">5004</td></tr> </table>	CANADA	ONTARIO	10%	10	5004
CANADA						
ONTARIO						
10%						
10						
5004						
<ul style="list-style-type: none"> <li>Tax table 2 programming can set tax rate and the tax table includes Tax-on Tax code (5004) as above example, but not for a tax break point.</li> </ul>						
<p>Tax status for the Departments are fixed as follows:</p> <p>Department 2: Taxable status 1 and 2.</p> <p>Departments 1, 3~10: Non-Taxable status.</p> <ul style="list-style-type: none"> <li>See page 22 to change the fixed tax status.</li> </ul>						

# Tax Tables for USA

## A

ALABAMA						
4%	5%	6%	6%	6%	7%	8%
			(4+1+1)			
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
10	10	8	9	10	7	6
30	29	24	20	20	21	18
54	49	41	40	36	35	31
73	69	58	55	54	49	43
110	89		70	70	64	56
	110		90	85	78	68
			109	110	107	81
					107	93
						106

ALASKA						
KENAI	HOMER/SELDOVIA	HAINES	JUNEAU	KENAI	KENAI, SEWARD & SOLDOTNA	
2%	3%	4%	4%	5%	5%	6%
0	0	0	0	0	0	6
1	1	1	1	1	1	2
1	1	1	1	1	1	2
10	4	4	2	1	6	29
25	34	25	19	12	13	29
75	49	34	37	37	25	49
	83	75	62	46	49	69
	116	127		75	69	89
	150	155		79	89	109
	183	177		118	109	109
	216	227		127		129
				151		159

ARIZONA					
4%	5%	6%	6.5%	6.7%	7%
0	0	0	175	0	156
1	1	1	191	1	171
1	5	9	7	192	186
12	10	10	7	207	201
37	27	22	23	223	216
	47	39	38	238	231
	68	56	53	253	246
	89	73	69	269	261
	109	90	84	284	276
		107	99	299	291
		125	115		111
		141	130		126
		158	146		141

ARKANSAS						
3%	4%	5%	6%	6.8%	7%	7.5%
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	2	1	2
14	12	10	8	6	7	6
44	37	20	24	19	21	19
74		40	41	33	35	33
114		60	58	46	49	46
		80			64	
		110			78	
					92	
					107	

## C

CALIFORNIA																	
6%	6.25%	6.5%	6.75%	7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	LOS ANGELES 10% Parking						
0	141	0	130	0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99	
1	158	1	146	5002	1	135	292	5002	131	5002	1	5002	5002	1	111	1	99
7		7	161	0	8	149	307	0			3			1	123	11	104
10		10	176	10	10	164		10			6			5	135	99	114
22		21	192	20	20	178		20			19			17	147	99	124
39		37	207	34	33	192		32			33			29	158	99	134
56		54	223	48	47	207		46			46			41	170	99	144
73		70	238	64	62	221		60			59			52	182	99	154
90		86	253	80	76	235		74			73			64	194	99	
108		103	269	96	91	249		88						76	205	99	
124		119	284	111	107	264		103						88		99	

COLORADO																								
LOVELAND																								
1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%	4.5%	5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.1%	6.35%	6.4%	6.45%					
0	0	0	0	0	0	264	0	0	0	211	0	0	5.25	0	172	0	168	0	165	0	6.1	6.35	6.4	6.45
1	1	1	1	1	1	291	1	1	1	233	1	1	5002	1	190	1	186	1	182	1	5002	5002	5002	5002
33	24	19	17	17	17	347	16	17	17	277	17	18		17	227	16	222	17	217	17	17			
99	74	59	49	42	41	375	37	37	33	299	29	18		27	245	25	240	26	24	24				
166			83	71	69	63	62	55	49	51				45	263	43	43	43	41	41				
233			116	99	97	77		77		68				63	281	61	60	60	58	58				
			149	128	124	99		99		84				81	299	79	78	78	74	74				
			183	157	152	122		122		118				99		97	95	95						
			185	180	180	144		144						118	115	113	113							
			214	208	208	166		166						136	132	130	130							
			242	236	236	188		188						154	150	147	147							

COLORADO													
6.5%	6.6%	7%	7.01%	7.1%	7.2%	7.25%	7.3%	7.5%	8%				
0	146	6.6	0	135	7.01	7.1	0	131	7.25	0	130	0	0
1	161	5002	1	149	5002	5002	1	145	5002	1	143	1	1
2	176		4	17			2	159		3	157	3	1
17	192		17	21			17	173		6	171	17	6
23	207		21	35			20	187		20	19	18	
38	223		35	49			34	201		34	33	31	
53			49	64			48	215		47	46	43	
69			64				62	229		61	59	56	
84			78				76	243		75	73	68	
99			92				90	256		89		81	
115			107				104			102		93	
130			121				118			116		106	

CONNECTICUT					
5.25%	6%	7%	7.5%	8%	
0	198	0	0	0	0
1	218	1	1	1	1
2		2	1	3	1
16		8	7	6	6
27		24	21	19	18
46		41	35	33	31
65		58	49	46	
84		74	64	59	
103		91	78	73	
122		108	92		
141		124	107		
160					
179					

## D

DISTRICT OF COLUMBIA						
D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 8%	D.C. 9%	
0	5.75	0	0	0	0	105
1	5002	1	1	1	1	116
1	0	1	1	1	1	6
10	8	12	8	12	6	138
22		17	24	16	16	149
42		35	41	27	27	161
82		53	58	39	38	
62		71	74	50	49	
110		89	91	62	61	
		112	108	75	72	
				90	83	
				112	94	

## F

FLORIDA											
PANAMA CITY BEACH											
4%	5%	Combined 5.25%	6%	6.2%	7%	7.5%					
0	175	0	5.25	0	6.2	0	107	0	109	0	93
1	209	1	5002	1	5002	1	123	1	1	1	106
5		1		1		1	138	1	1	1	120
9		9		9		9	153	9	9	9	133
25		20		16		15	169	14	13	146	
50		40		33		30	184	28	26	160	
75		60		50		46	209	42	40	173	
109		80		66		61		57	53	186	
125		109		83		76		71	66	209	
150				109		92		85	80		

## G

GEORGIA			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
1	1	1	1
10	10	10	10
35	25	20	20
66	50	40	35
110	75	60	50
	110	80	67
		110	85
			110

## H

HAWAII
4%
0
1
1
10
35
66
110

## E

# Part-1 QUICK START OPERATION

IDAHO					ILLINOIS											INDIANA							
3%	4%	4.5%	5%		1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%	1%	4%	5%	MARION County	RESTAURANT	
																					5%	6%	
0	0	0	227	0	0	0	0	0	0	0	161	6.75	0	0	0	7.75	0	8.75	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	176	5002	1	1	1	5002	1	5002	1	1	1	1	1
1	2	2	2	2	1	1	1	6	1	1	192		1	1	0	1	0	0	1	1	1	1	1
15	11	15	11	11	49	39	24	12	8	7	207		8	6	6	6	5	1	2	1	2	1	
42	32	27	25	25	148	119	74	25	24	23	23		22	19	18	18		49	15	9	15	9	
72	57	49	45					46	41	38			36	33	31			148	37	29	37	29	
115	71							67	58	53			50	46					62		49	49	
	93							88		69			65								62	49	
	115							109		84			79								87	69	
	137							129		99			93								112	89	
	160									115			108								137	109	
	183									130													
	205									146													

IOWA			KANSAS																				
4%	5%	6%	2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	5%	5.25%	5.5%	5.65%	5.9%	6%	6.15%	6.4%	6.5%			
0	0	0	0	0	3.1	0	323	0	0	279	0	4.1	0	0	5.25	0	190	5.65	5.9	0	6.15	6.4	6.5
1	1	1	1	1	5002	1	353	1	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002
3	1	1	1	1	0	1	384	1	1	333	1	0	1	1	0	1	0	0	7	0	0	0	0
12	9	8	19	16	16	15	415	14	13	359	12	12	11	9	9	9	8	8	8	8	8	7	7
37	29	24	59	49	46	42	39	386	37	32	33	29			27								
50	41		99	83	76	71	66	413	62	55					45								
75	58		139	116	107	99	93	87	77	63					63								
	74		179		138	128	119	112	99	81					81								
	91				169	157	146		122	99					118								
	108				199	185	173		144	108					136								
					230	199			166	124					154								
					261	226			188	141					172								
					292	253			211	158													

KENTUCKY		LOUISIANA										MAINE			MARYLAND							
9.5%	10%	2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%	5%	6%	7%	4%	5%	Meals Tax				
																		5%				
0	110	0	0	0	0	0	0	0	0	161	0	0	0	0	0	0	0	7	0	0	0	
1	121	1	1	1	1	1	1	1	1	176	1	1	1	1	1	1	1	2	1	1	1	
1	131	1	2	2	2	1	6	2	17	192	1	2	7	1	1	1	1	0	2	2	7	
5	142	4	24	16	12	11	10	8	7	207	7	6	4	5	5	10	9	7	24	19	99	
15	152	14	74	49	37	33	27	24	23	223	21	19	16	16	16	20	16	21	25	20	99	
26	163	24	124	82	62	55	47	41	38	238	35	33	29	27	27	40	33	35	50	40	99	
36	173	34	174	116	87	77	67	58	53	253	49	46	42	38	38	60	50	49	80	66	64	
47	184	44	224	149	112	99	87	74	69	269	64	59	55	49	49	80	66	64	110	83	78	
57	194	54							84	284					61	110	83	78			99	
68		64							99	299					80	72			92			100
78		74							115	315					93	83			100			120
89		84							130	330					106	94			100			140
99		94							146	146					111	105			100			140

MASSACHUSETTS			MICHIGAN		MINNESOTA				MISSISSIPPI						
4.625%	5%		4%	6%	6%	6.5%	7%	8.5%	5%	6%	7%	8%	8.5%	9%	9.25%
0	227	0	0	0	0	0	161	0	0	123	0	0	0	0	9.25
1	248	1	1	1	1	1	176	1	1	135	1	1	1	1	5002
13	270	1	7	2	1	1	192	1	1	147	6	1	1	1	0
10	291	9	12	10	8	7	207	7	5	158	11	8	7	6	5
32	313	29	31	24	24	23	21	17	170	26	24	21	18	17	
54	335		54	41	41	38	35	29	182	47	41	35	31	29	
75	356		81	58	58	53	49	41	194	68	58	49	43	41	
97	378		108	74	69	69	64	52	205	88	74	64	56	52	
118	399		135	91	99	99	78	64		109	91	78	68	64	
140	421		162	108	115	107	92	76		129	108	92	81	76	
162	443		187	124	146		111					107	93	88	
183													106	99	
205														111	

MISSOURI																							
4.225%	4.6%	4.625%	4.725%	4.75%	4.8%	4.975%	5.05%	5.1%	5.225%	5.6%	5.625%	5.725%	6.1%	6.225%	6.3%	6.425%	6.475%						
0	0	0	227	0	0	0	0	211	0	0	5.225	0	187	0	5.725	0	168	0	166	0	163	0	162
1	1	1	248	1	1	1	1	1	1	1	5002	1	205	1	184	1	184	1	182	1	178	1	177
1	1	13	270	4	3	3	1	5	1	15	223	1	1	1	2	200	8	198	1	194	13	193	
11	10	10	291	10	10	10	10	9	9	8	241	8	8	8	7	216	7	214	7	210	7	208	
35	32	32	313	31	22	31	30	19	29	26	258	26	24	24	232	23	230	23	225	23	223	223	
59	54	54	335	52	43	52	50	39	49	44	276	44	40	40	248	39	246	38	241	38	239	239	
82	76	75	356	74	65	72	70	59	68	62	294	62	57	56	265	55	54	256	54	254	54	254	
	97	97	378	95	86	93	90	79	88	80	312	79	73	72	71	71	70	272	69	270	69	270	
			118	399	116	107	114	110	98	107	98	330	97	90	88	87	85	287	84	285	84	285	
			140	421	137	128	135	130	118		115	348	115	104	103	103	101	100	301	100	301	301	
			162	443	158	149	156	150	138		133	366	133	120	119	116	115	115	316	115	316	316	
			183		179	170	177	170	158		151	383	151	136	134	132	131	131	332	131	332	332	
			205		201			190	178		169		168		152		147		146				

NEBRASKA										NEVADA													
6.55%	6.725%	7.225%	3%	3.5%	4%	4.5%	5%	5.5%	6%	6.5%	3%	3.5%	5.75%	6%	6.25%	6.5%	6.75%	7%					
0	160	6.725	0	0	0	233	0	0	190	0	0	161	0	0	299	5.75	0	0	167	0	161	6.75	0
1	175	5002	1	1	1	255	1	1	209	1	1	176	1	1	326	5002	1	1	183	1	176	5002	1
9	190		3	3	2	277	2	2	227	1	1	192	2	6	357		2	2	199	1	192	0	1
7			16	14	14	299	14	14	8	7	207	14	14			8	7	215	7	207	7	7	
22			49	42	37	33	322	29	27	24	23	49	38			24	23	23	23	22	21	21	
38			83	71	62	55	49	49	45	41	38	83	64			41	39	38	38	37	35	35	
53			116	99	77	63		63	58	53		116	88			58	55	53	53	49	49	49	
68			149	128	99	81		81	69	69		149	118			74	71	69	69	64	64	64	

**N**

NEW HAMPSHIRE				NEW JERSEY				NEW MEXICO																					
7%		Rooms & Meals 7%		3%		6%		3.75%		4.25%		4.375%		4.5%		4.875%		5.175%		5.25%		5.375%		5.575%		5.75%			
0	129	0	128	0	0	0	0	0	280	0	247	0	239	0	4,875	5,175	0	199	5,375	5,575	5,75								
1	143	1	142	1	1	1	1	1	306	1	270	1	1	1	5002	5002	1	217	5002	5002	5002								
8	158	8	157	4					6	333	1	294	4																
14	172	35	171	35					13	359	11	317	11																
26	186	35	185	35					40		35	341	34																
39	201	38	200	35					67		58	364	57																
51		50		37					93		82	388	79																
63		62		50					120		105	411	102																
75		74		62					146		129		125																
88		87							173		152		148																
101		100							200		176		171																
115		114							226		199		194																
									253		223		217																

NEW YORK														ERIE				SUFFOLK County													
6.187%		6.1875%		4%		5%		5.25%		5.75%		6%		6.25%		6.5%		6.75%		7%		7.25%		7.5%		8%		8.25%		8.5%	
0	6,187			0	0	5.25	5.75	0	141	0	0	130	6.75	0	121	7.25	0	113	0	105	0	106	8.25	8.5							
1	5002			1	1	5002	5002	1	158	1	1	146	5002	1	135	5002	1	126	1	119	1	118	5002	5002							
4	0			5	6			7	7	7	1	161		8	149		8	139	10	131	9	131									
9	8			12	10			10	10	10	7	176		10	164		10	144	10	10	10	10									
23				33	27			22	22	23	23	192		20	178		18		17	17	17	17									
40				58	47			38	38	38	207		33	192		31		29	29	29	29	29									
56				83	67			56	54	53			47	207		45		42	42	42	42	42									
72				112	87			72	70	69			62				58	55	55	55	55	55									
88				137	109			88	86	84			76				67	67	67	67	67	67									
104					129			108	103	99			91				85	80	80	80	80	80									
120								124	119	115			107				99	92	92	92	92	92									
136																															
153																															

NORTH CAROLINA							NORTH DAKOTA																						
3%		4%		4.5%		5%		5.25%		5.75%		6%		6.25%		6.5%		6.75%		7%		7.25%		7.5%		8%			
0	0	0	188	0	0	0	0	0	0	0	0	182	0	0	170	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	1	1	211	1	1	1	1	1	1	1	1	200	1	1	185	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	5	6	233	6	2	2	2	2	2	2	2	219	3	2	200	2	3	3	3	3	3	3	3	3	3	3	3	3	
9	9	9	255	8	10	8							15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
35	29	25	277	23	24	24							33	31	25	20	19	17	31	231	15	15	15	15	15	15	15	15	
70	59	53	299	48	41	41							67	51	50	40	37	34	47		29	25	25	25	25	25	25	25	
116	84	75	322	67	58	58							100	71	75		55	50	62		43	38	38	38	38	38	38	38	
149	112	95		85	74	74							133	100	100		73	67	77		58	50	50	50	50	50	50	50	
183	137	122		109	91	91							166	125	125		91	84	93		72	63	63	63	63	63	63	63	
216		144		129	108	108							200				110	108	86		75	75	75	75	75	75	75	75	
		166			91	91											128	124	100		88	88	88	88	88	88	88	88	
					108	108											146	139	115		100	100	100	100	100	100	100	100	
					124	124											164	154											

**O**

OHIO										OKLAHOMA																					
MEIGS Co.					CUYAHOGA Co.					2%		3%		3.25%		4%		4.25%		4.5%		5%		5.25%		6%		6.25%		6.725%	
0	0	146	5.75	0	0	134	0	0	123	0	115	0	115	7.75	0	0	323	0	4.25	0	0	5.25	0	0	5.25	0	0	6,725			
1	1	164	5002	1	1	1	1	1	138	1	128	1	128	5002	1	1	353	1	5002	1	1	5002	1	1	5002	1	1	5002			
2	2	182		2	3				2	3	153	3	3				1	1	7	384	1	2	1	1	1	1	1	1			
15	15	200		15	16				15	15	169	15	15				24	16	15	415	12	11	9	8	7	7	7	7			
20	18	218		17	17				16	15	184	15	15				74	49	46	446	37	33	29	24	23	23	23	23			
40	36			34	34				30	200	28	28					83	76	476		55	55	41	41	41	41	41	41			
	52			50	50				46	215	42	42					116	107	507		77	77	58	58	58	58	58	58			
	74			67	67				61	230	57	57								138	538	99	99	99	99	99	99	99			
	90			83	83				76	71	71	71								169	569	121	121	121	121	121	121	121			
	109			100	100				92	85	85	85								199	599	144	144	144	144	144	144	144			
	127			117	117				107	100	100	100								230		261	261	261	261	261	261	261			
																				292		292	292	292	292	292	292	292	292		

**P**

PENNSYLVANIA							
7%		7.25%		7.375%		8%	
0	7.25	7.375	0	0	0	0	0
1	5002	5002	1	1	1	1	1
6		0	1	1	4	1	
8		6	6	6	5	4	
22			18	18	16	14	
37			31	30	27	24	
51				42	37	34	
65				54	48	43	
79				66	59		
94				78	70		
108				90	81		
122				103	91		

**R**

RHODE ISLAND			
6%		7%	
0	0	150	
1	1	150	
6	1	167	
10	10	184	
17	17	210	
34	34	217	
50	50	234	
67	67	250	
84	84	250	
110	110		
	117		
	134		

**S**

SOUTH CAROLINA			
4%		5%	
0	0	0	0
1	1	1	1
6	6	6	6
10	10	10	10
25	20	24	
50	40	41	
75	60	41	
112	80	58	
137	109	74	
	129	91	
		108	
		124	

**S**

SOUTH DAKOTA							
4%		5%		5.5%		6%	
0	0	0	0	190	0	0	161
1	1	1	1	210	1	1	176
6</							

# Part-1 QUICK START OPERATION

TEXAS																							
												HOUSTON (Harris County)											
4%	4%	4.125%		4.625%	5%	5.125%	5.25%		5.375%	5.5%	5.625%		6%	DALLAS (6%)		HOUSTON (6%)		6.125%	6.25%	6.25%	6.75%	7%	
0	0	0	181	424	4.625	0	5.125	0	142	5.375	0	137	0	133	0	0	6.125	0	119	6.250	6.75	0	107
1	1	1	206		5002	1	5002	1	161	5002	1	55	1	151	1	1	5002	1	1	5002	5002	5002	1
1	1	1	230			1		12	180		1	173	1	168	1	1		1					1
12	12	12	254			9		9	199		9	191	8		8	9	8						7
37	37	36	278			29		28	219		27	209	26		24	25	24						21
	62	60	303			49		47	238		45		44		41	42	41					35	
	87	84	327			69		66			63		62		58	59	58					49	
		109	351					85			81		79				74					64	
		133	375					104			99		97				91					78	
		157	399					123			118		115				108					92	

7.25%	7.5%	7.75%	8%	8.25%
7.25	0	0	96	0
5002	1	1	109	1
	1	5	122	1
	6	6	135	6
	19	19	148	18
	33	32	161	31
	46	45	174	
	59	58	187	
	73	70		
	86	83		

UTAH													
4.75%	5%	5.25%		5.375%	5.5%	5.75%	5.875%	6%	6.125%	6.25%	7%	7.25%	
0	221	0	0	199	0	0	190	5.75	5.875	0	6.125	0	7.25
1	242	1	1	219	1	1	209	5002	5002	1	5002	1	5002
1	263	1	1	238	1	1			0	2	0	4	2
10	284	9	9	257	9	9			8	8	7	7	
31	305	29	28	276	27	27			24		23	21	
52	326		47	295	46	45			41		27	35	
73	347		66	314	65	63			58		47	49	
94	368		85	333	83	81			74		63	64	
115	389		104	352	102	99						78	
136	410		123	371		118						92	
157			142	390		136						107	
178			161	409		154							
199			180			172							

VERMONT			
3%	4%	5%	8%
0	0	0	0
1	1	1	1
4	2	2	0
13	10	10	18
33	25	20	31
66	50	40	43
100		80	56
133		100	68
166		120	81
200		140	93
			100

VIRGINIA																				
ARLINGTON COUNTY			FAIRFAX CITY			HAMPTON RESTAURANT		LEESBURG		RICHMOND		ALEXANDRIA		NEWPORT NEWS		RICHMOND		ROANOKE CITY VA BEACH		
4%	4%	4.5%	5.5%	6.5%	7%	7%	7%	7%	7.5%	7.5%	7.5%	7.5%	8%	8.5%	8.5%	8.5%	9%	9%		
0	214	484	0	0	188	0	149	0	124	0	0	7.5	0	116	0	0	114	0	99	9
1	234	512	1	1	211	1	166	1	144	1	1	5002	1	122	1	1	114	1	112	5002
21	259	537	2	5	233	4	188	1	166	13	149	1	1	144	2	5	134	1	122	
14	284		12	15	255	11	211	11	174	14	159	7	14	11	149	6	14	134	11	137
34	314		37	33	277	14	233	24	188	29	184	21	14	16	166	19	34	159	12	144
59	334		62	55	299	33	249	33	211	34	184	35	34	33	183	33	44		33	162
84	359		87	77		55	255	55		44	214	49	59	49	188	46	44		37	166
114	384		112	99		77		74		59	214	64	59	55	211	59	59		55	187
134	414		137	122		99		77		74	234	78	84	77		59	59		62	188
159	434			144		122		99		84	249	92	84	83		84	84		77	211
184	459			166		144		122		114	259	107	114	99		84	84		87	

VIRGINIA					
NORFOLK CITY			CITY OF RICHMOND		
Meal tax	9%		Food tax	9.5%	
0	99	211	0	89	205
1	99	233	1	99	
6	122	233	1	110	
11	122		5	121	
33	144		15	131	
44	144		26	142	
44	166		36	152	
55	166		47	163	
55	188		57	173	
77	188		68	184	
77	211		78	194	

WASHINGTON																
7%	7.2%	7.3%	7.5%	7.55%	4.125%		7.8%	7.9%	8%	8.1%	Combined		8.7%			
0	0	131	0	129	0	126	0	0	124	282	7.8	0	0	0	8.1	0
1	1	1	1	143	1	139	1	1	138		2	1	1	1	129	2
1	1	1	1	156	1	153	2	3	151		0	2	1	14	141	0
7	6	6	6	170	6	166	7	6	164		7	6	6	6	154	6
21	20	19	19	184	19	179	19	19	177		19	18	18	18	166	18
35	34	33	33	198	33	193	33	32	190		32	31	31	30	179	30
49	48	47	47	211	46	206	46	46	203		44	44	44	43	191	43
64	62	61	61	225	59	59	59	59	217		57	56	55	203	55	55
78	76	74	74	239	73		72	72	230		70	70	67		67	67
92	90	88	88	252	86			85	243		83		80		80	80
107	104	102	102		99			98	256				92		92	
	118	115	115		113			111	269				104		104	

WEST VIRGINIA				
2%	3%	4%	5%	6%
0	0	0	0	0
1	1	1	1	1
2	2	1	2	2
25	5	12	5	5
50	35	37	20	16
100	70		40	33
	100		50	63
	135		67	80
			84	98
			100	116

WISCONSIN			
4%	5%	5.5%	5.6%
0	0	0	190
1	1	1	209
1	1	1	1
12	10	9	8
37	21	27	26
	41	45	44
	61	63	62
	81	81	80
	110	99	98
		118	116
		136	133
		154	
		172	

WYOMING			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
2	2	2	3
24	24	24	24
49	37	29	24
83	62	49	34
116		69	51
149		89	68
		109	84

## Tax Table for CANADA

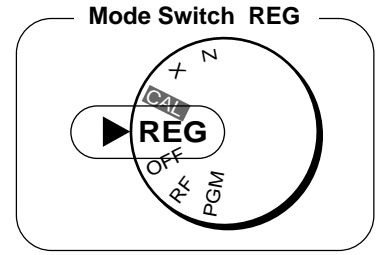
CANADA										
NOVA SCOTIA <sup>1</sup>	ONTARIO <sup>2</sup>	QUEBEC <sup>2</sup>	NEWFOUNDLAND <sup>2</sup>	ONTARIO <sup>1</sup>	BRITISH COLUMBIA <sup>1</sup>	SASKACHEWAN <sup>1</sup>	MANITOBA <sup>1</sup>	ONTARIO	N.B. & P.E.I. <sup>1</sup>	QUEBEC
10%	10%	10%	12%	12%	6%	6%	7%	8%	9%	9%
10	10	10	12	0	0	6	7	0	9	9
5004	5004	5004	5004	1	1	5002	5002	1	1	9002
				4	2			3		
				25	14			25		
				25	24			25		
				25	41			31		
				29	58			43		
				37	74			56		
				45						
				54						

\*1 Must be programmed into Tax Table 1.  
\*2 Must be programmed into Tax Table 2.

## 4. 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.

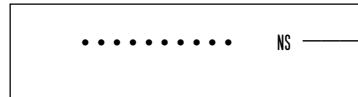


Part-1



### 4-1 Open the drawer without a sale

CHK / NS

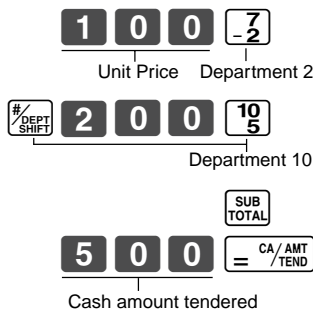


No Sales Symbol

### 4-2 Basic operation

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Dept.	2	10
Cash Amount tendered	\$5.00	



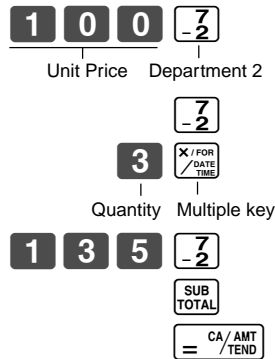
• 1•00	2*	Unit Price/Department No.
• 2•00	0	"0" means Department 10.
• 1•00	TA	Taxable Subtotal
• 0•04	TX	Tax
• 3•04	ST	Subtotal
• 5•00	CA	Cash Amount Tendered
• 1•96	CG	Change Amount Due

Departments 6 through 10 can also be registered in combination with the  $\frac{\#}{\text{DEPT SHIFT}}$  and  $\frac{+}{+}$ ,  $\frac{-}{-}$ ,  $\frac{\times}{\times}$ ,  $\frac{\div}{\div}$  or  $\frac{10}{5}$  keys, respectively. The  $\frac{\#}{\text{DEPT SHIFT}}$  key should be entered just before entering unit price manually.

### 4-3 Multiple registration on the same items

Example

Unit Price	\$1.00	\$1.35
Quantity	2	3
Dept.	2	2



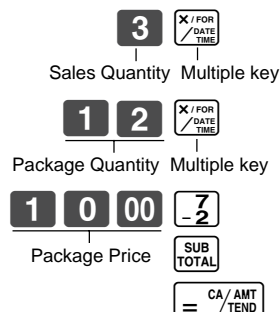
• 1•00	2*	
• 1•00	2*	Repeat
3	X	Multiplication Symbol
• 1•35	@	Unit Price Symbol
• 4•05	2*	Department No.
• 6•05	TA	
• 0•24	TX	
• 6•29	CA	

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

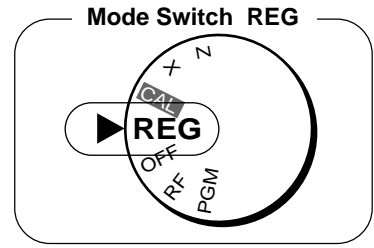
### 4-4 Split sales of packaged items

Example

Unit price	12/\$10.00
Quantity	3
Dept.	2



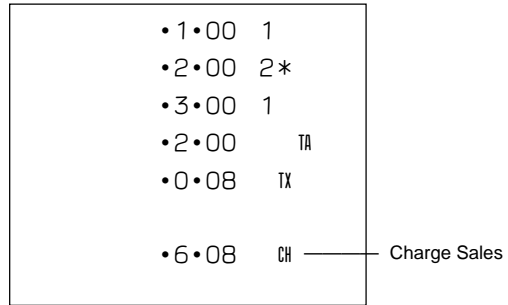
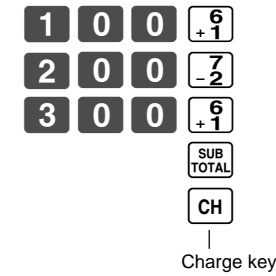
3	X	Sales Quantity
12		Package Quantity
• 10•00	@	
• 2•50	2*	
• 2•50	TA	
• 0•10	TX	
• 2•60	CA	



### 4-5 Charge sales

Example

Unit Price	\$1.00	\$2.00	\$3.00
Quantity	1	1	1
Dept.	1	2	1

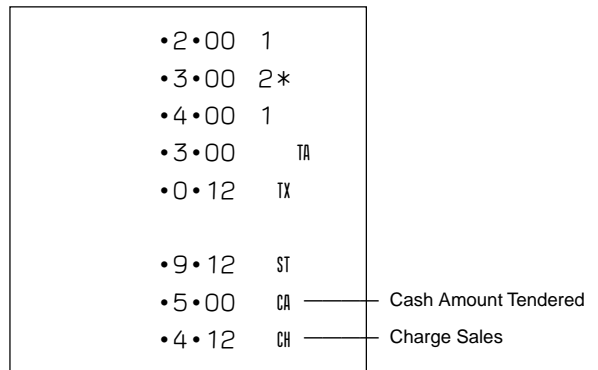
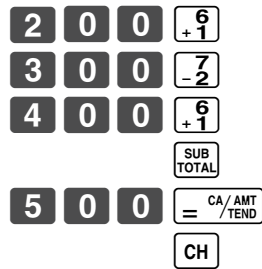


You cannot perform the amount tendered operation using the **CH** key.

### 4-6 Split cash/ charge sales

Example

Unit Price	\$2.00	\$3.00	\$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash Amount tendered	\$5.00		



### 4-7 Corrections

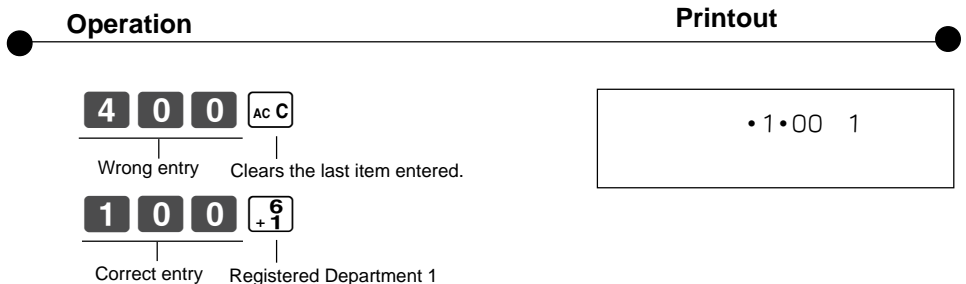
Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

#### 4-7-1 Before you press a department key

**AC C** key clears the last item entered.


Example

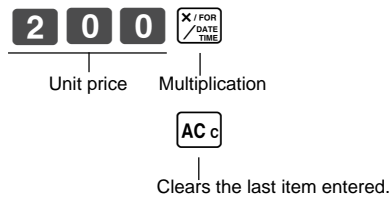
- Entered 400 for unit price by mistake instead of 100.



Operation

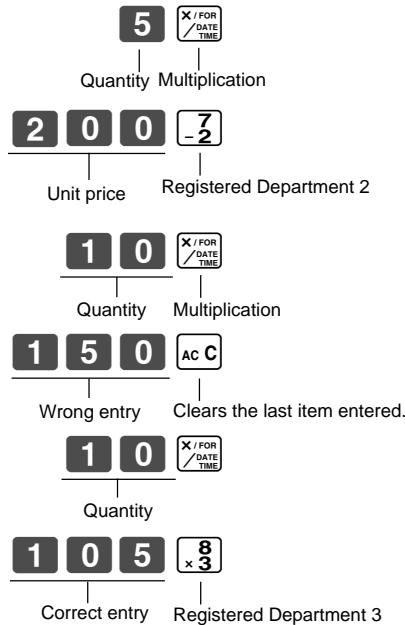
Printout

2. Entered unit price first instead of quantity and then pressed .



5 X  
•2•00 @  
•10•00 2\*

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



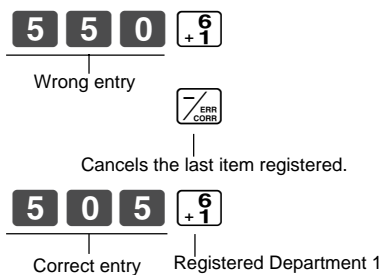
10 X  
•1•05 @  
•10•50 3

4-7-2 After you pressed a department key

 key cancels the last registered item.

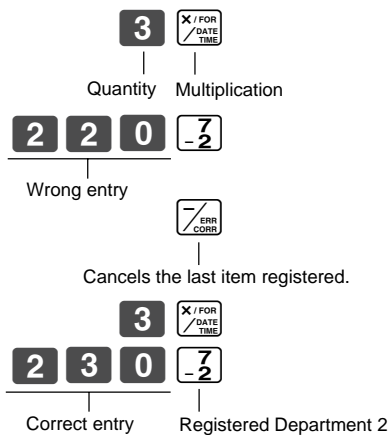
Example

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



•5•50 1  
-5•50  $\text{VD}$   
•5•05 1

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



3 X  
•2•20 @  
•6•60 2\*  
-6•60  $\text{VD}$   
3 X  
•2•30 @  
•6•90 2\*

Part-1



## 5. Daily Management Report

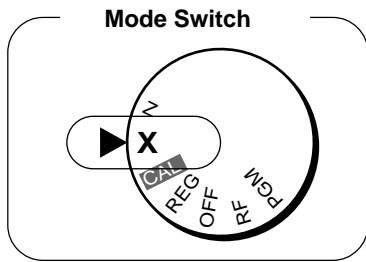
This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

### 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.

### 5-1 Financial Report

#### Operation



#### Printout

04-19-05	_____	Date
14-27 0072	_____	Time/Consecutive No.
	X	Read Symbol
67	*	Gross Sales No. of Items
•270•48	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount
•197•57	CA #	Cash Total in Drawer
•18•19	CH #	Charge Total in Drawer
•45•18	* CK	Check Total in Drawer

### 5-2 General Control Read/Reset Report

#### Operation

#### 5-2-1 Daily Read/Reset Report

Mode Switch to **X**  
(Read)



Mode Switch to **Z**  
(Reset)



#### Printout

Z (Reset) report

04-19-05	_____	Date
19-35 0073	1	Time/Consecutive No. /Clerk No.
0001	Z	Non-resettable Sales No. of Resets/RESET Symbol*1
48	1	No. of Items/Dept. No.
•50•10		Amount
28	2	
•76•40		
17	3	
•85•80		
4	4	
•76•00		
1	5	
•6•50		
0	6	
•0•00		
0	9	
•0•00		
10	0	
•22•00		
108	*	Gross Sales No. of Items
•316•80	*	Gross Sales Amount

•0•50	-	Reduction Amount
•0•66	% +	Premium/Discount Amount
•105•10	TA	Taxable Amount for Tax Table 1
•4•20	TX	Tax Amount for Tax Table 1
•75•60	* TA	Taxable Amount for Tax Table 2
•3•97	TX 2	Tax Amount for Tax Table 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk Sales Amount/ Clerk No.
44	CA	Cash Sales Count
•203•91	CA	Cash Sales Amount
3	CH	Charge Sales Count
•16•22	CH	Charge Sales Amount
2	CK	Check Sales Count
•105•00	CK	Check Sales Amount
•6•00	RA	Received On Account Amount
•10•00	PO	Paid Out Amount
3	VD	Error Correction Count
1	RF	Refund (by MODE operation) Count
•3•00	RF	Refund (by MODE operation) Amount
5	CA X	No. of $\left[ \frac{CA}{AMT} \right]$ key operation
1	NS	No-sales Count
•199•91	CA #	Cash in Drawer
•16•22	CH #	Charge in Drawer
•105•00	* CK	Check in Drawer
000000		Non-resettable Grand Sales Total
0325•13		(printed only on RESET report)* <sup>2</sup>

\* X (Read) report is the same except \*1 and \*2.

5-2-2 Periodic Read/Reset Report

Operation

Printout

Mode Switch to **X** or **Z**

**1 0**  $\left[ \frac{CA}{AMT} \right]$  / TEND

04-19-05	_____	Date
19-50 0074	_____	Time/Consecutive No.
10	••••	X _____ X _____
67	*	Gross Sales No. of Items
•270•73	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount



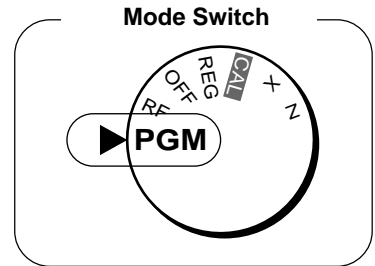
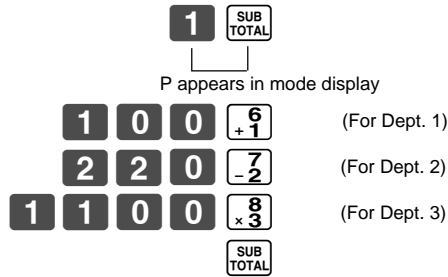
# CONVENIENT OPERATION

## 1. Various Programming

### 1-1 Unit price for Departments

Example

Unit Price	\$1.00	\$2.20	\$11.00
Dept.	1	2	3

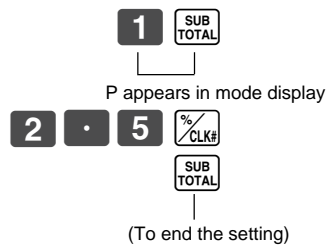


• Unit prices within the range of 0.01~9999.99.

### 1-2 Rate for percent key

Example

Discount Rate	2.5%
---------------	------



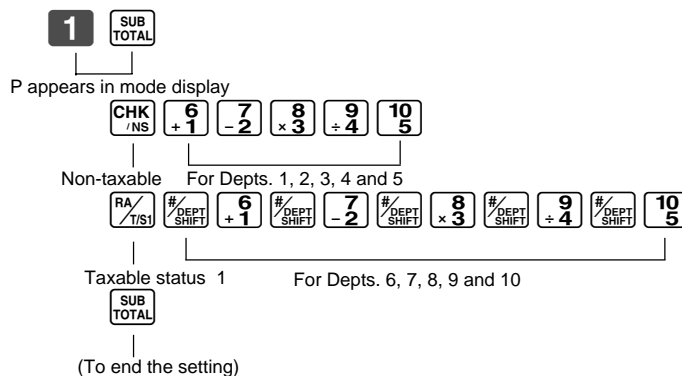
• The rate within the range of 00.01 to 99.99%.

### 1-3 To change tax status for Departments

Example

Status	Non-taxable	Taxable 1
Depts.	1~5	6~10

Tax status for the Departments are fixed as follows:  
Department 2: Taxable status 1 and 2.  
Departments 1, 3~10: Non-Taxable status.



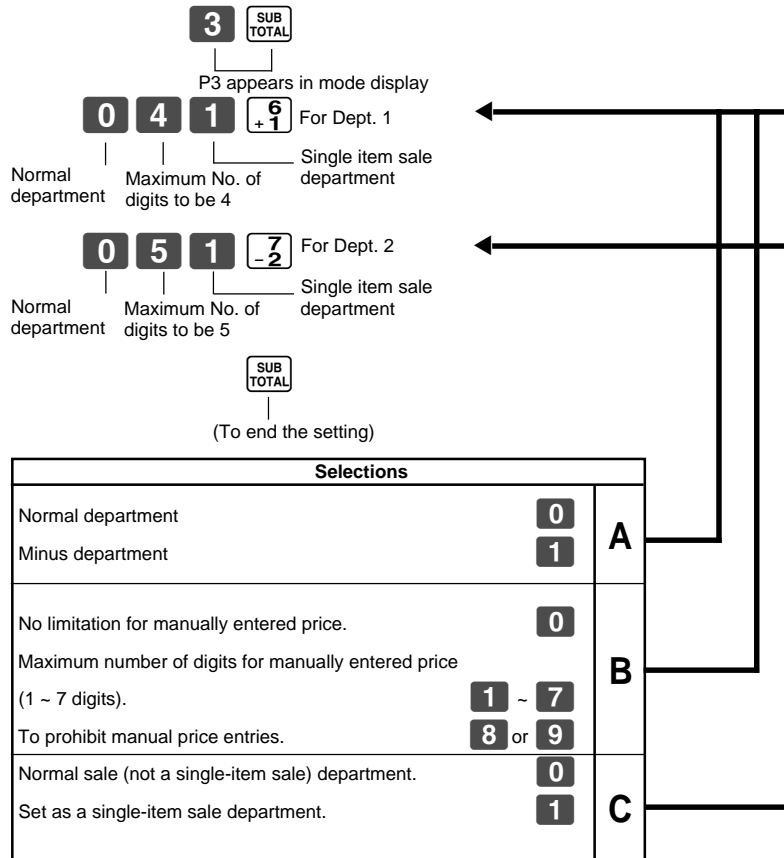
Selections	
Taxable status 1	RA /T/S1
Taxable status 2	PO /T/S2
Taxable status 1 and 2	RA /T/S1 PO /T/S2
Non-taxable status	CHK /NS



### 1-4 Status for Department

Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1



Part-2

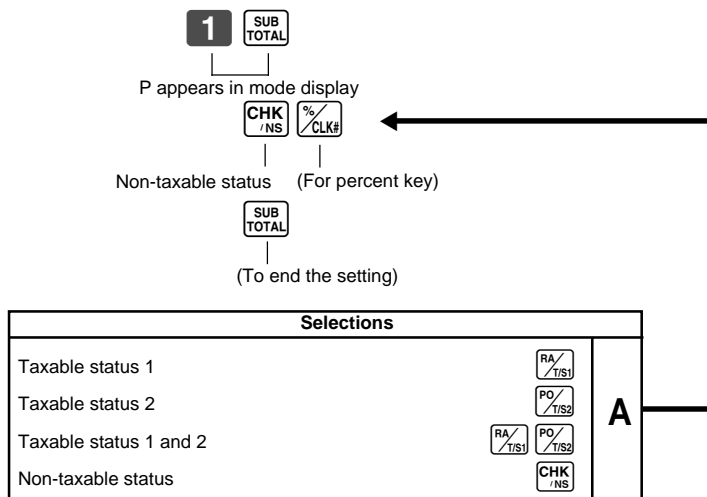
### 1-5 Status for percent key

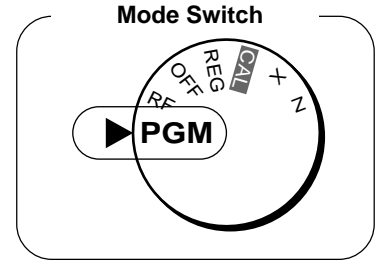
#### 1-5-1 To change taxable status for the percent key

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

Example

Change Percent key registration as a Non-taxable.

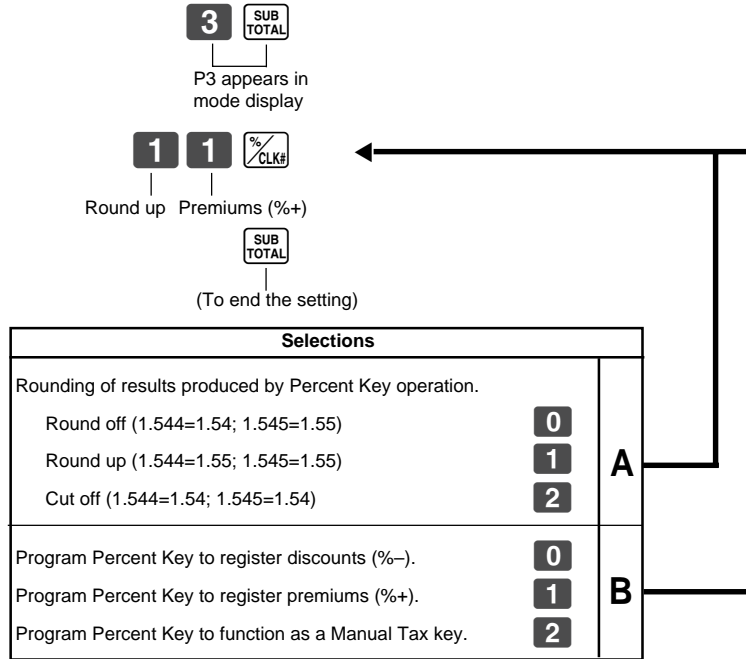




### 1-5-2 Status for percent key

Example

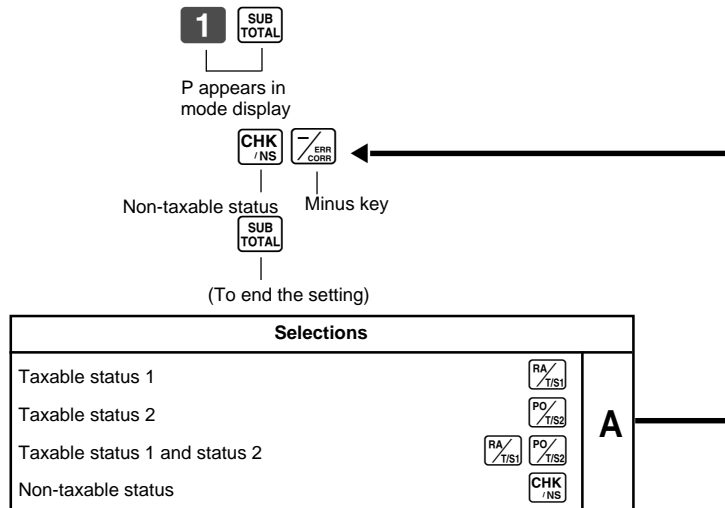
Round	Up
Percent	%+



### 1-6 Taxable Status for minus key

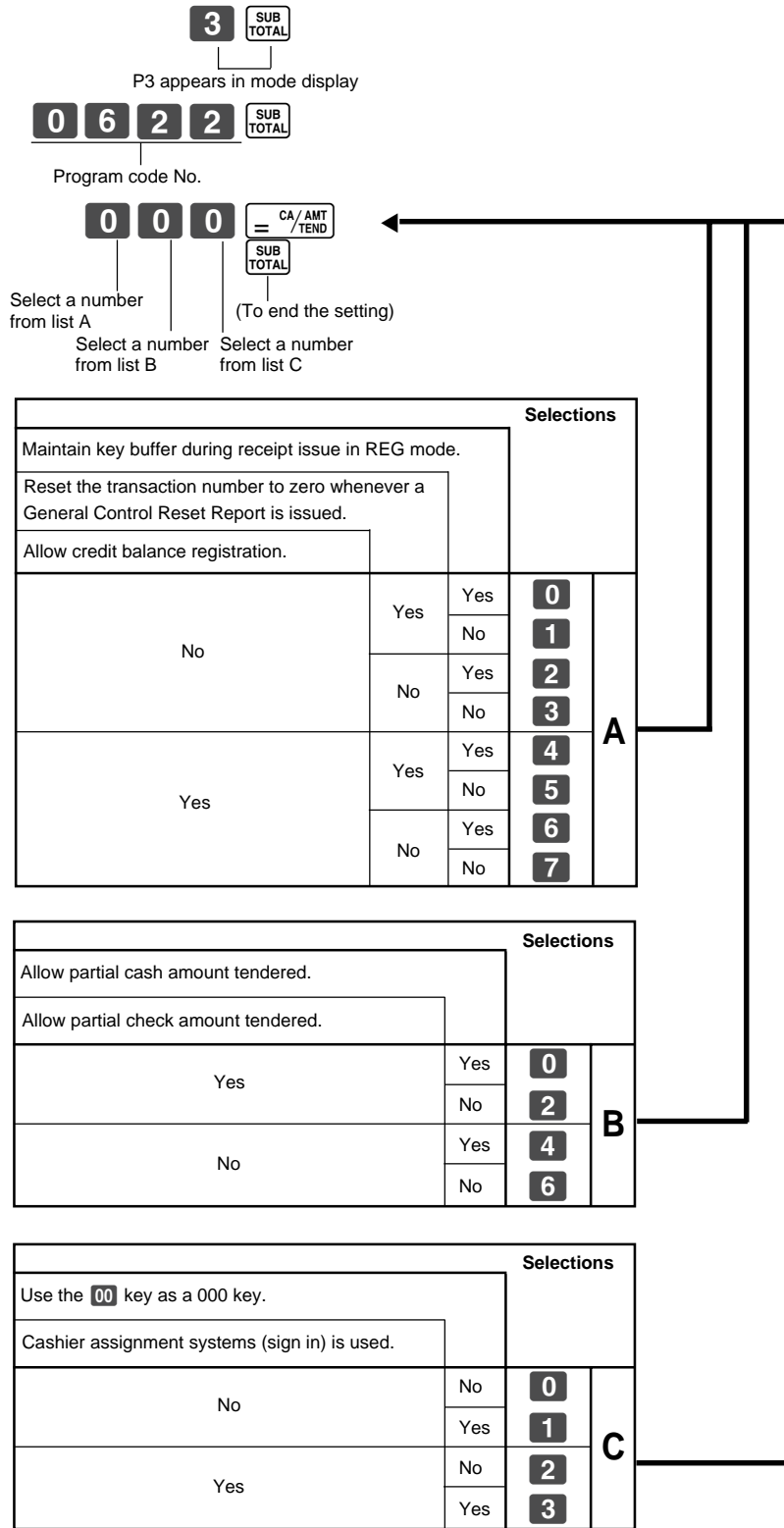
Example

Change minus key registrations  
Non-taxable status.



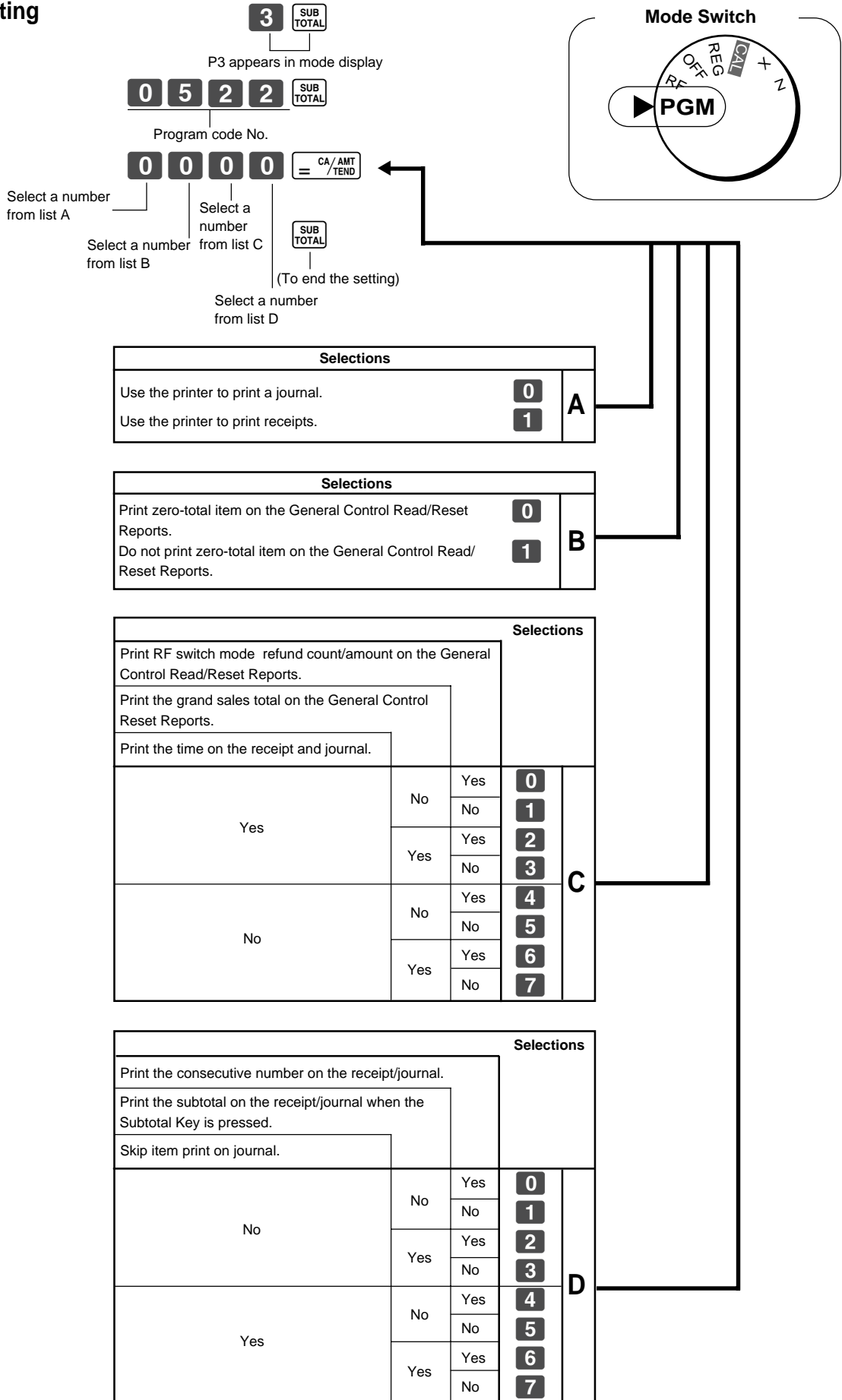
## 1-7 General features

### 1-7-1 To set general controls



Part-2

1-7-2 To set printing controls

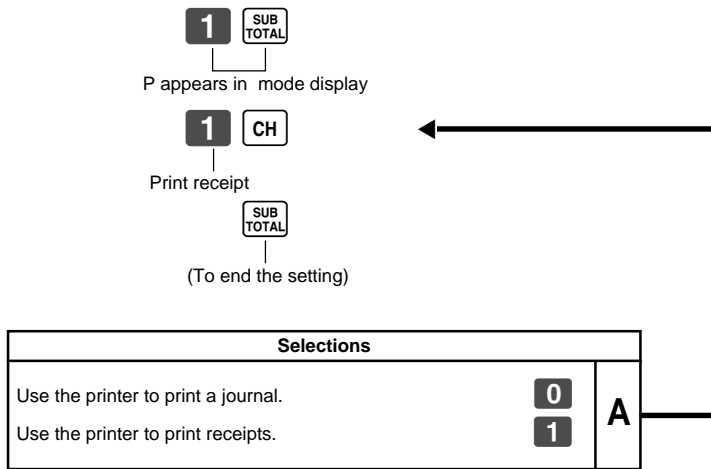


### 1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example

To print a receipt.



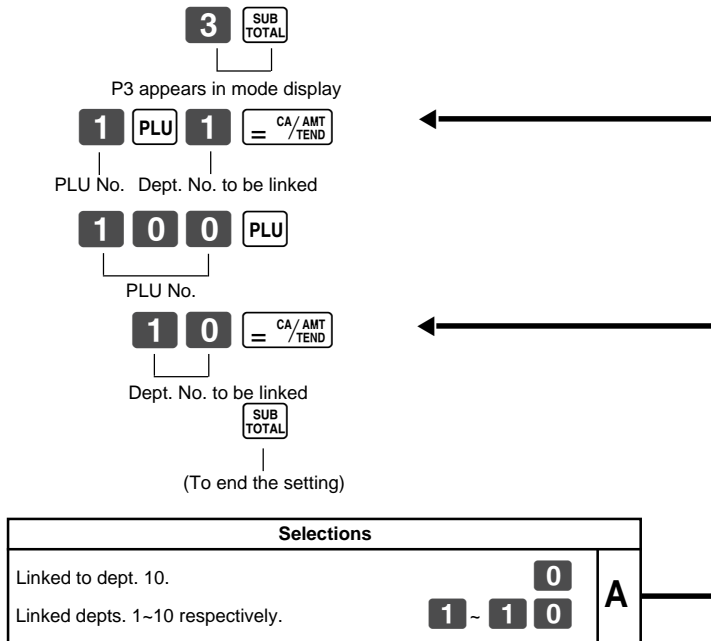
- Printer selection to print a journal or receipts can also be set on procedures 1-7-2 “To set printing controls”.

## 1-8 PLU setting

### 1-8-1 Linkage with Departments

Example

PLU No.	1	100
Link Dept. No.	1	10

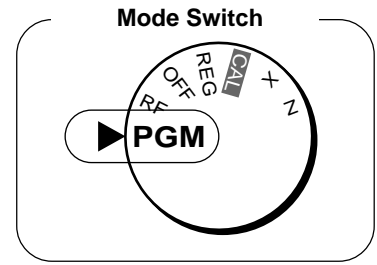
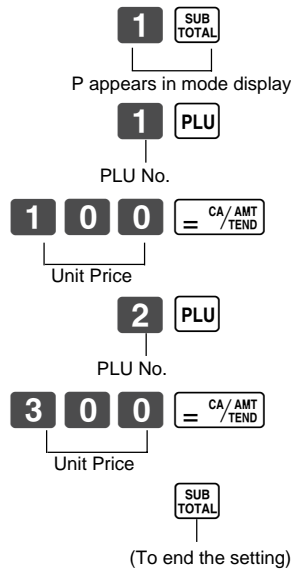


- 100 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 10.
- Status for a single-item sale and tax status are followed the specified linked department.

### 1-8-2 Unit Prices for PLUs

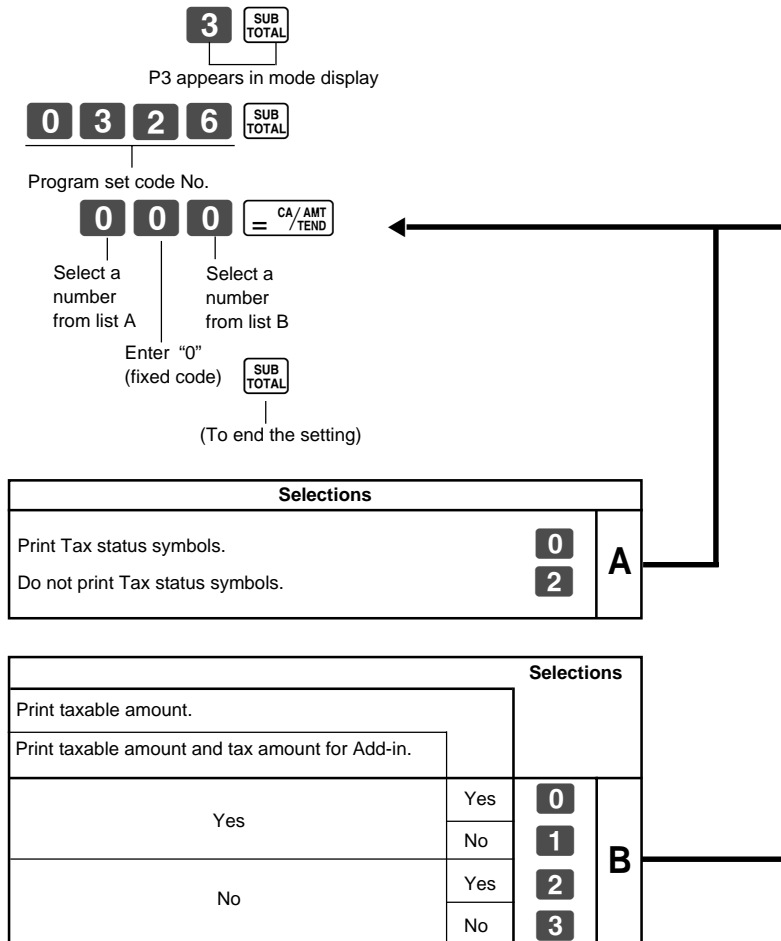
Example

PLU No.	1	2
Unit Price	\$1.00	\$3.00



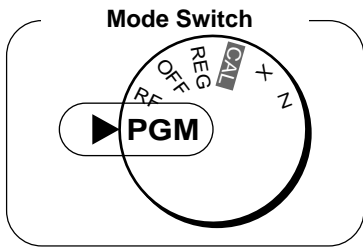
• Unit prices within the range of \$0.01~999.99.

### 1-9 To control Tax Status printing



1-10 Printing to read All Preset Data

1-10-1 Printing preset data except PLU settings



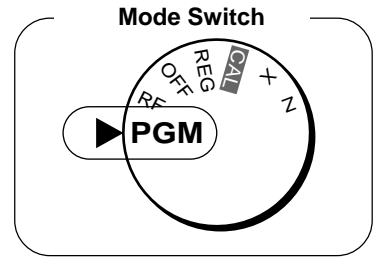
Operation

Printout

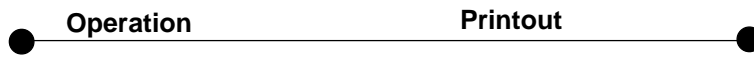
CA/AMT/TEND

04-19-05	_____	Date
14-24 0070	_____	Time/Consecutive No.
	X	Read Symbol
1.....1.00	*	Dept. No./Unit Price/Tax Status
.041		Normal Dept./Digit Limit/Single Item
2.....2.20	*	
.051		
3.....11.00	*	
.000		
0.....0.00	*	
.000		
-.....	#	Minus/Tax Status
2.5	%	Percent Rate/%+ or %-
.11	#	Percent Key Control/Tax Status
0122.....12		Date/Add Mode Control (fixed)
0522...1022		Print Control
0622...0000		General Control
1022.....0		Calculation Control
0326...0002		Tax Control
0125.....		
0.0000	%	Tax Table 1
0001		Break Points Control
10		
30		
54		
73		
110		
0225.....		Tax Table 2
5.2500	%	Rounding Specifications/ Tax System Specifications
5002		
0000		
04-19-05		

Part-2



1-10-2 Printing preset PLU settings



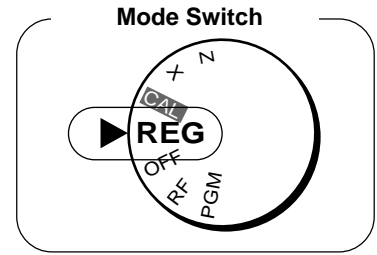
**1** = CA/AMT /TEND

04-19-05	—	Date
14-26 0073	—	Time/Consecutive No.
	X	Read symbol
001•••1•00	1	PLU No./Unit Price/ Linked department
002•••2•00	2	
003•••3•00	3	
004•••4•00	4	
005•••5•00	5	
006•••6•00	6	
007•••7•00	7	
099•••00	0	"0" means department 10.
100••10•00	1	
04-19-05		

## 2. Various Operations

### 2-1 Registration using preset price for Departments.

(Programming: See page 22)



Example

Unit Price	\$1.00	\$2.20	\$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered	\$52.00		

<p><b>Operation</b></p> <p>6 + 1 7 - 2 7 - 2 4 X / FOR / DATE / TIME x 3 SUB TOTAL 5 2 0 0 = CA / AMT / TEND</p>	<p><b>Printout</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>• 1•00 1* — Unit Price Programmed to Department 1</p> <p>• 2•20 2* — Unit Price Programmed to Department 2</p> <p>• 2•20 2* — Repeat</p> <p>4 X — Multiplication Symbol</p> <p>• 11•00 @ — Unit Price Programmed to Department 3</p> <p>• 44•00 3*</p> <p>• 49•40 TA</p> <p>• 1•98 TX</p> <p>• 51•38 ST</p> <p>• 52•00 CA — Cash Amount Tendered</p> <p>• 0•62 CB — Change</p> </div>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Part-2</p>
--	--	---

### 2-2 Single-Item Sales

(Programming: See page 23)

Example 1

Status	Single item sale
Unit Price	\$.50
Quantity	1
Dept.	1

5 0 6 + 1

• 0•50 1\* — Taxable Amount

• 0•50 TA — Taxable Amount

• 0•02 TX — Tax

• 0•52 CA — Cash Sales

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

(Programming: See page 23.)

Example 2

Status	Normal	Single item sale
Unit Price	\$1.00	\$0.50
Quantity	1	1
Dept.	2	1

1 0 0 7 - 2  
5 0 6 + 1  
SUB TOTAL  
= CA / AMT / TEND

• 1•00 2\* — Taxable Amount

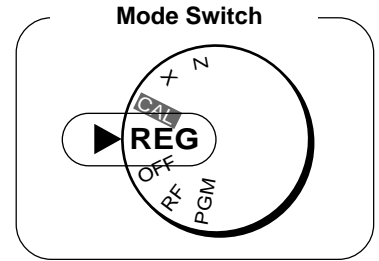
• 0•50 1\* — Taxable Amount

• 1•50 TA — Taxable Amount

• 0•06 TX — Tax

• 1•56 CA — Cash Sales

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



### 2-3 Check Sales

Example

Unit Price	\$35.00
Quantity	2
Dept.	4

<b>Operation</b>	<b>Printout</b>
------------------	-----------------

**3 5 0 0**  **9**  $\div$  **4**

**9**  $\div$  **4**

**SUB**  
**TOTAL**

**CHK**  
**/NS**

•35•00 4\*

•35•00 4\*

•70•00 TA

•2•80 TX

•72•80 CK — Check Sales

### 2-4 Change the Tax Status

(Programming: See page 22)

Example

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

<p><b>1 0 0</b> <input type="checkbox"/> <b>RA</b> <b>/TS</b></p> <p><b>2 0 0</b> <input type="checkbox"/> <b>6</b> <math>+</math> <b>1</b></p> <p><input type="checkbox"/> <b>7</b> <math>-</math> <b>2</b></p> <p><input type="checkbox"/> <b>= CA / AMT</b> <b>TEND</b></p>	<p>•1•00 1</p> <p>•2•00 2 TX</p> <p>•2•00 TA</p> <p>•0•08 TX</p> <p>•3•08 CA</p>
--	--

### 2-5 Manual Tax

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2

<p><b>1 0 0</b> <input type="checkbox"/> <b>6</b> <math>+</math> <b>1</b></p> <p><b>1 0</b> <input type="checkbox"/> <b>%</b> <b>CL#</b></p> <p><b>2 0 0</b> <input type="checkbox"/> <b>7</b> <math>-</math> <b>2</b></p> <p><input type="checkbox"/> <b>= CA / AMT</b> <b>TEND</b></p>	<p>•1•00 1*</p> <p>•0•10 TX # — Manual Tax Symbol</p> <p>•2•00 2*</p> <p>•3•00 TA</p> <p>•0•12 TX</p> <p>•3•22 CA</p>
--	---

**%**  
**CL#** key is programmed to function as a Manual Tax key (see page 24).

### 2-6 PLU operation

(Programming: See page 27)

Example

PLU No.	1	2
Unit Price	\$1.00	\$2.00
Quantity	2	4
Link Dept. No.	1	1
Cash Amount tendered	\$10.40	

1 PLU  
PLU  
4 X / FOR DATE TIME  
2 PLU  
= CA / AMT / TEND

001	•1•00	*	PLU No.
001	•1•00	*	Repeat
	4	X	Multiplication Symbol
	•2•00	@	Preset Unit Price
002	•8•00	*	
	•10•00	TA	
	•0•40	TX	
	•10•40	CA	Cash Amount Tendered

### 2-7 PLU Single-Item Sale

(Programming: See page 27)

Example

PLU No.	1
Status	Single item sale
Unit Price	\$1.00
Quantity	1

1 PLU

001	•1•00	*	PLU No.
	•1•00	TA	Taxable Status Symbol
	•0•04	TX	Taxable Amount
	•1•04	CA	Tax

- For this example, linked department 1 is programmed for a single-item-sale. (Programming: See page 23)
- Single-item sale cannot be finalized if an item is registered previously.

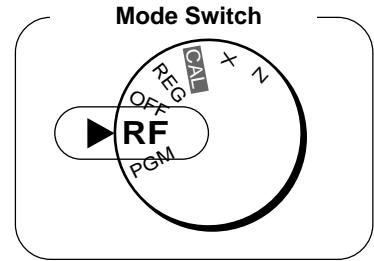
### 2-8 Split cash/ check sales

Example

Unit Price	\$30.00	\$25.00
Quantity	1	1
Depts.	2	3
Cash Amount tendered	\$20.00	
Check	\$37.20	

3 0 0 0 - 2  
2 5 0 0 x 8  
SUB TOTAL  
2 0 0 0 = CA / AMT / TEND  
CHK / NS

•30•00	2*
•25•00	3*
•55•00	TA
•2•20	TX
•57•20	ST
•20•00	CA
•37•20	CK

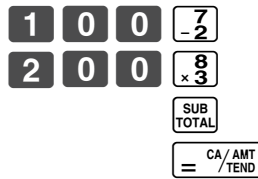


## 2-9 Refund



### Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Dept.	2	3



13-55 0040	RF	Refund Mode Symbol
•1•00	2*	
•2•00	3*	
•3•00	TA	
•0•12	TX	
•3•12	CA	

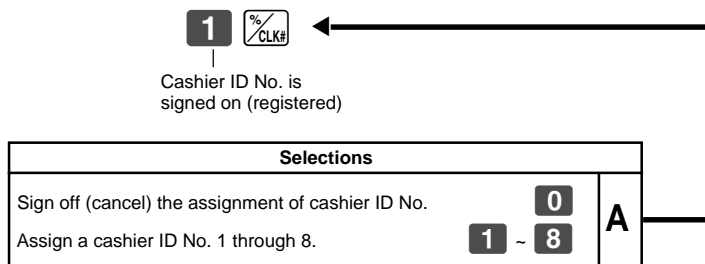
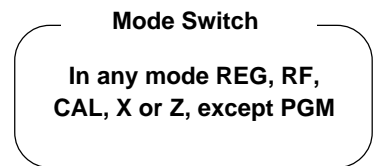
After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

## 2-10 Cashier Assignment

(Programming: See page 25)

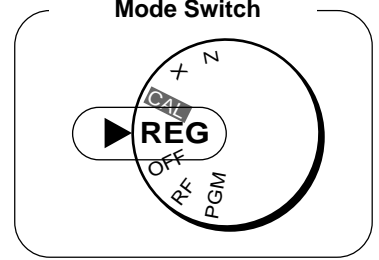
Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 25, you can get 8 cashiers (or clerk) sales data.

Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.



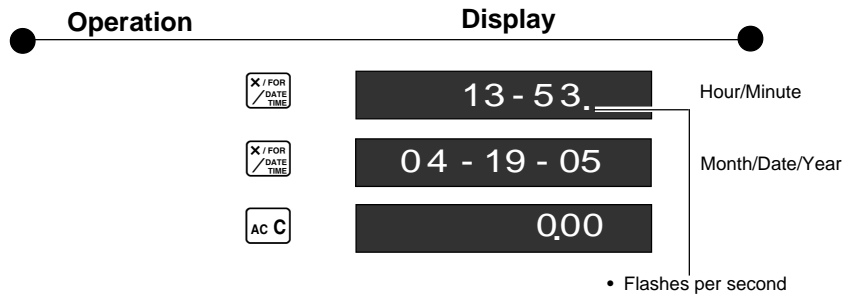
- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned cashier (or clerk) sales totals with ID number are printed on the receipt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

Mode Switch

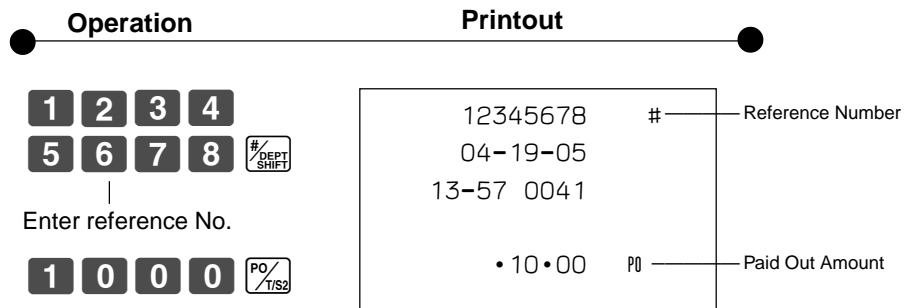


## 2-11 Other registrations

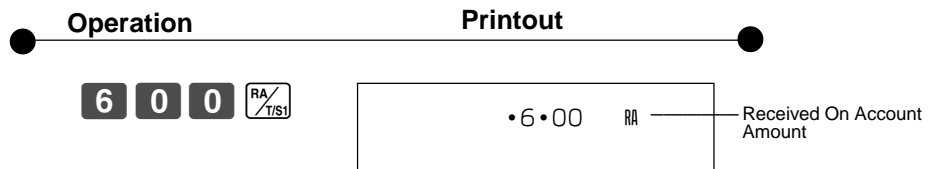
### 2-11-1 Reading the Time and Date



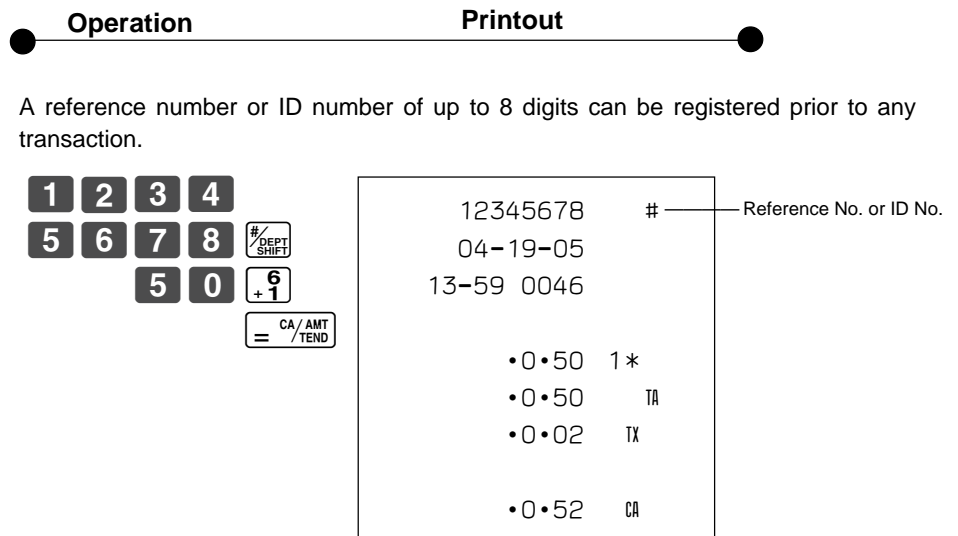
### 2-11-2 Paid out from cash in drawer



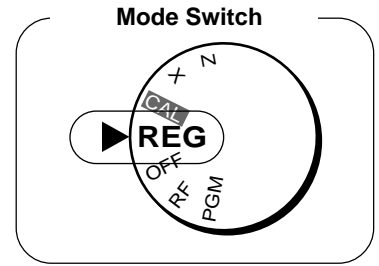
### 2-11-3 Cash received on account



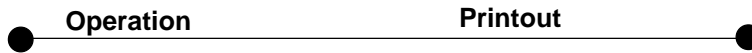
### 2-11-4 Registering identification numbers



Part-2



### 2-11-5 Reduction on subtotal



Example  
Amount due reduced by \$0.50.

**1 0 0** **6** **+ 1**  
**2 0 0** **9** **÷ 4**  
**SUB TOTAL**  
**5 0** **-** **ERR CORR**  
**=** **CA / AMT / TEND**

• 1.00	1*
• 2.00	4*
• 3.12	ST
- 0.50	
• 3.00	TA
• 0.12	TX
• 2.62	CA

See page 22 to print the subtotal line.

### 2-11-6 Premium/Discount

- 2.5% premium/discount (programmed to **%/CLK#** key) applied to first item.
- Be sure to use **MD/ST** key when you wish to apply a premium/discount to the subtotal. You cannot use the **SUB TOTAL** key.
- 7% premium/discount applied to transaction total.
- For programming the **%/CLK#** key as percent minus or percent plus, see page 24.
- For programming percent rate, see page 22.

**1 0 0** **6** **+ 1** **%/CLK#**  
**2 0 0** **7** **- 2**  
**3 0 0** **6** **+ 1** **MD/ST**  
**7** **%/CLK#**  
**=** **CA / AMT / TEND**

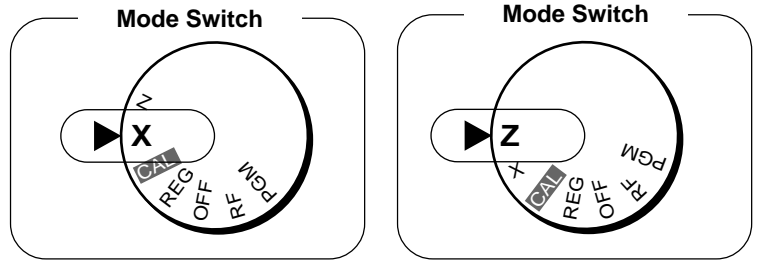
#### Premium

• 1.00	1*
2.5	% — Premium Rate
• 0.03	* — Premium Amount
• 2.00	2*
• 3.00	1*
• 6.03	ST — Subtotal
7	% — Premium Rate
• 0.42	* — Premium Amount
• 6.03	TA
• 0.24	TX
• 6.69	CA

#### Discount

• 1.00	1*
2.5	% — Discount Rate
- 0.03	* — Discount Amount
• 2.00	2*
• 3.00	1*
• 5.97	ST — Subtotal
7	% — Discount Rate
- 0.42	* — Discount Amount
• 5.97	TA
• 0.24	TX
• 5.79	CA

## 2-12 PLU report



Mode Switch to **(X)**  
(Read)

Mode Switch to **(Z)**  
(Reset)

● **Operation** ————— **Printout** ●

**0 1** = CA/AMT / TEND

```

04-19-05
19-35 0073

01 0001 Z
001 12
  •12•00
002 27
100
  •180•00

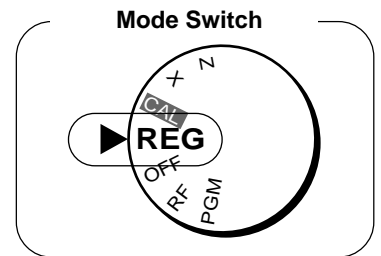
1284
•10856•89
    
```

Z — Report code/Reset Counter  
 — PLU No./No. of items  
 — Amount  
 — PLU total count  
 — PLU total amount

Part-2

## 2-13 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.



● **Operation** ————— **Display** ●

• Forward by 1 hour

X / FOR / DATE / TIME

12 - 34 .

\* **1**

12 - 34 . (blinking)

X / FOR / DATE / TIME

13 - 34 .

Set forward by 1 hour.

AC C

0.00

• Backward by 1 hour

X / FOR / DATE / TIME

12 - 34 .

- 7 / 2

12 - 34 . (blinking)

\* **1**

12 - 34 . (blinking)

X / FOR / DATE / TIME

11 - 34 .

Set backward by 1 hour.

AC C

0.00

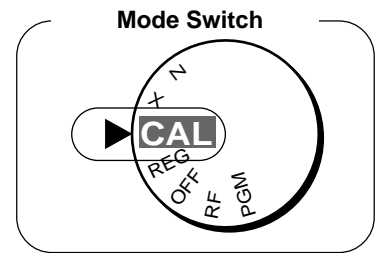
\*Put **2 ~ 9**, in case of set the clock by 2~9 hours.

# Part 3

## CALCULATOR FUNCTION

### 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	Display
$5 + 3 - 2 =$ $(23 - 56) \times 78 =$ $(4 \times 3 - 6) \div 3.5 + 8 =$ 12% on 1500	<div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">C 0</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">6.</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">-2574.</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">9.7142857</div> <div style="border: 1px solid black; padding: 2px;">180.</div>
<div style="margin-bottom: 5px;"> <math>5 +_1^6 1 AC_c</math>                      (Cancels item entered.)                 </div> <div style="margin-bottom: 5px;"> <math>5 +_1^6 3 -_2^7 2 = CA/AMT/TEND</math> </div> <div style="margin-bottom: 5px;"> <math>2 3 -_2^7 5 6 \times_3^8 7 8 = CA/AMT/TEND</math> </div> <div style="margin-bottom: 5px;"> <math>4 \times_3^8 3 -_2^7 6 \div_4^9 3 \cdot 5 +_1^6 8 = CA/AMT/TEND</math> </div> <div style="margin-bottom: 5px;"> <math>1 5 0 0 \times_3^8 1 2 \% CLK\#</math> </div>	

#### 1-2 Memory recall

Recalls the current amount onto the display.

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

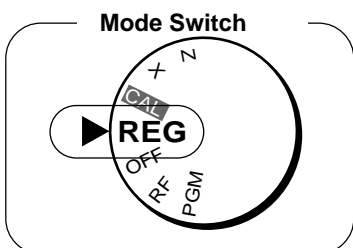
##### On CAL mode

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

Operation	Display
$PLU \div_4^9 3 = CA/AMT/TEND$ Memory recall	<div style="border: 1px solid black; padding: 2px;">10.</div>

##### On REG mode

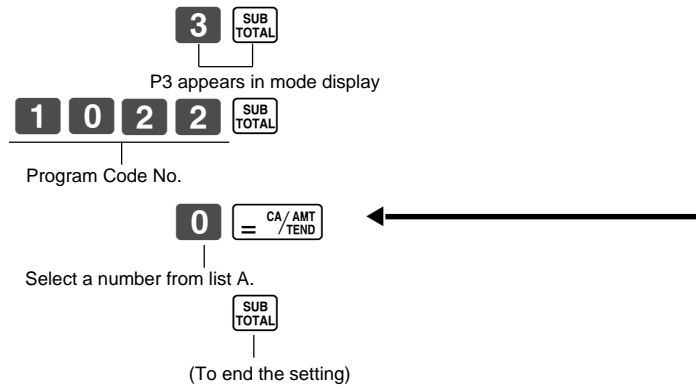
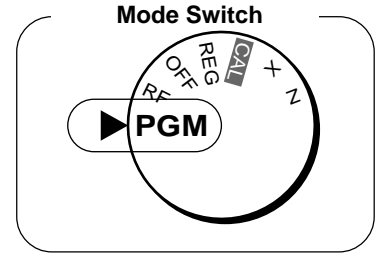
Recalls the current result by pressing  $= CA/AMT/TEND$  key at CAL mode on the display.



**Example**  
Recall the current result at CAL mode during registration, and register the cash amount due for each person.

Operation	Printout
$PLU = CA/AMT/TEND$ $PLU = CA/AMT/TEND$ $PLU = CA/AMT/TEND$ Memory recall	<pre> •10.00 1 •20.00 2  •30.00 ST •10.00 CA •10.00 CA •10.00 CA •0.00 CG                     </pre>

### 1-3 Setting for calculator operation



			Selections		
Open drawer whenever <span style="border: 1px solid black; padding: 2px;">= CA/AMT /TEND</span> is pressed.*					
Open drawer whenever <span style="border: 1px solid black; padding: 2px;">CHK HS</span> is pressed.					
Print No. of Equal key operations on General Control X and Z reports.			<b>A</b>		
Yes	No	No			<span style="border: 1px solid black; padding: 2px;">0</span>
		Yes			<span style="border: 1px solid black; padding: 2px;">1</span>
	Yes	No			<span style="border: 1px solid black; padding: 2px;">2</span>
		Yes			<span style="border: 1px solid black; padding: 2px;">3</span>
No	No	No			<span style="border: 1px solid black; padding: 2px;">4</span>
		Yes			<span style="border: 1px solid black; padding: 2px;">5</span>
	Yes	No			<span style="border: 1px solid black; padding: 2px;">6</span>
		Yes	<span style="border: 1px solid black; padding: 2px;">7</span>		

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

Part-3



# USEFUL INFORMATION

## 1. Troubleshooting

	Symptom/Problem	Most common causes	Solutions
1	E01 appears on the display.	Changing modes without completing transaction.	Return mode switch to where it stops buzzing and press .
2	E08 appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press <b>1</b> ~ <b>8</b> and then .
3	E94 appears on the display.	Printer paper is jammed.	Remove jammed paper. Turn Mode switch to OFF then turn to ON, or Turn power OFF and then turn power ON.
4	No date or time on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
5	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
6	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
7	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries.
8	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.

**Note:**

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

## 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: 14 digits (Amount 10 digits, Symbol 3 digits)  
 (or journal) Automatic paper roll winding (journal)  
 Paper roll: 58 mm × 80 mm Ø (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/Power consumption: See the rating plate.

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

Humidity: 10 to 90%

Dimensions: 8"(H)×13"(W)×14 3/16"(D) with S drawer  
 (203 mm(H)×330 mm(W)×360 mm(D))

Weight: 9 lbs (4.1 kg) with S drawer

***Specifications and design are subject to change without notice.***

**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.

**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.

Without limiting the foregoing, battery leakage, bending of the unit, a broken display tube, and any cracks or breaks in the display will be presumed to have resulted from misuse or abuse. To obtain warranty service you must take or ship the product, freight prepaid, with a copy of the sales receipt or other proof of purchase and the date of purchase, to a Casio Authorized Service Center. Due to the possibility of damage or loss, it is recommended when shipping the product to a Casio Authorized Service Center that you package the product securely and ship it insured. CASIO HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES RESULTING FROM MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

**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: .....





**CASIO®**

**CASIO COMPUTER CO., LTD.**  
6-2, Hon-machi 1-chome  
Shibuya-ku, Tokyo 151-8543, Japan

PCR-262\*INC  
MO0411-B