



Instruction Manual

**Multifunctional
Individual Store
Payment Terminal**

FCL-SCT20US



Contents

NOTICE	2
Operating Precautions	7
1. Confirmation of delivered items	8
2. Names of parts and functional overview	9
2.1 Operator Terminal	9
2.2 Card Reader/Writer Attachment	10
3. Connection of cable	11
3.1 Cable connection diagram	11
3.2 How to connect/disconnect cables	12
4. Basic Operation	13
4.1 How to turn on/off	13
4.2 Installing Printer paper	14
5. General Operation	16
5.1 Making a Purchase Transaction	16
5.2 Amount Input Error	23
5.3 Terminal Reporting Closing Procedure	26
5.4 Printing summary or journal report	28
5.5 Response to inquiries from the users of a card	33
6. How to practice operation	34
6.1 Outline of practice mode	34
6.2 Subject operations for practice mode	34
6.3 How to enter the practice mode and release it	34
6.4 Display and sound during the practice mode	35
6.5 Report during the practice mode	35
7. Controller operation	36
7.1 Operation flow chart of Controller menu	36
7.2 Sound/display setting	37
7.3 Log Printing	38
7.4 Manual center communication	42
7.5 Function Set Operation	43
7.6 Halt Mode Operation	50
8. Maintenance	51
8.1 Cleaning of Printer	51
8.2 Cleaning of Main Unit	52
9. Equipment Diagnosis	53
9.1 Status Check	53
9.2 Failure Diagnosis	53
10. Error Remedy	54
10.1 Check of error code on display	54
10.2 Error Code Table	55
11. Terminal specification	56
11.1 General Specification	56
11.2 Hardware Specification	57
12. Useful Functions	58











WARNING SYMBOL AND THEIR MEANING

Be sure to observe the following precautions. They offer important information on safety.

- The degree of injuries or damages resulting from improper handling of this device is indicated by different symbols.

 CAUTION	Improper handling of this device may cause dangerous situations that result in personal injury or property damage.
 WARNING	Improper handling of this device may cause dangerous situations that result in death or serve injury.

- The following symbols describe items to be observed.

	The symbol indicates "prohibition".		Do not modify this device.
			Do not touch this device.
	The symbol indicates "mandatory" action to be taken.		Be sure to connect a grounding cable.
			Be sure to pull out the plug.
	The symbol provokes "cautions".		Do not let your fingers caught in between.
			Be careful. It may result in fire.
			Be careful. It may result in explosion.

SAFETY PRECAUTIONS

Be sure to read this “Safety Precautions” carefully beforehand for the correct and safe use of this device.



Do not repair.



Repair should be made only by authorized service persons. Ask your dealer for the repair. Improper repair work may result in electric shock, fire, or injury.

Do not clean when the power is ON.



Set the switch to OFF before cleaning the device. Otherwise it may result in electric shock.

Do not step, shake or tilt the device.



Prohibition

Do not step on, shake or tilt the device to prevent accidental tip-over.

Do not touch the switch with a wet hand.



Prohibition



Do not touch the switch with a wet hand. Otherwise it may result in electric shock.

Do not use electric parts soaked in water



Prohibition

Replace electric parts or wires soaked in water due to floods or some other reasons with new ones. Otherwise it may result in electric shock or fire.

Do not use the device outdoors.



Prohibition

This product is designed for indoor use. Using the device outdoors may risk electrical safety, resulting in accident.

Do not break or pull the power cord.



Prohibition



Do not put heavy things on the power cord. Do not modify or pull the power cord. Otherwise it may break and result in electric shock and fire.

Do not disassemble.



Disassemble is prohibited.

Do not disassemble this device. Otherwise it may result in an accident.

Pull out the plug immediately in case of an emergency



Pull out the plug

In case abnormal odor, smoke or fire is perceived, pull the power plug immediately. Ask an authorized serviceperson or your dealer for repair. Otherwise it may result in electric shock or fire.

Do not use flammable gas near the device.



Do not use the flammable gases or volatile agents such as paint thinner near the device. Otherwise it may result in explosion or fire.

CAUTION

Do not splash water.



Prohibition

Do not wash or splash water on the electrical parts inside the device.
Otherwise it may result in electric shock.

Use an exclusively designed power outlet.



Prohibition

Do not share a power outlet with other products.
Using an extension cord or many loads on one electrical outlet may result in fire.



Do not stack the device.



Prohibition

Do not stack the device to prevent accidental tip-over or injury.

Do not pull a power cord when disengaging a plug.



Prohibition

Be sure to hold a plug for disconnection.shock.
Otherwise it may break the cord, resulting in heat generation or fire.



Keep warning labels clean.



Clean or replace the warning labels so that they can always be read correctly.
Otherwise it may result in accident.

Inspect the power plug periodically.



Inspect the power plug once every 6 months. Wipe the dust off the plug and insert it securely.
Otherwise it may result in electric shock or fire.



Use a grounding 2-pole outlet.



Use a 2-pole outlet with grounding terminal.
Make sure that the device is securely grounded to prevent electric shock.

Pull out a plug when not in use for long period of time.



Pull out a power plug when you do not use the device for long period of time.

Pull out a power plug when you do not use the device for long period of time.

Ask an authorized waste disposal specialist for disposal.



Do not dispose the device without proper authorization.
Otherwise it may cause environmental pollution or result in accident.



Do not let your fingers caught in between.






Be careful not to let your fingers caught in between when closing the printer door.
Otherwise it may result in injury.

Use an AC adaptor/cord packed together with the device.



Be sure to connect the device to the power with sufficient allowable voltage and current.
Use an exclusively designed power adapter.
Otherwise it may result in fire.

You will see the following caution labels when opening the printer door. Observe the instructions.

 CAUTION	
	Do not touch the printer head due to high temperature.
	Do not touch the cutter blade.



Do not pull the front door toward you.

! NOTE !

Contact our customer center if the terminal is stopped.

NOTICE

Electronic emission notice

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Telecommunication notices

Federal Communications Commission (FCC) and Telephone Company Requirement (Part 68 of the FCC Rules)

- (1) This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. In the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX . If requested, this number must be provided to the telephone company.
- (2) USOC Jack, RJ11C is available to this equipment.
- (3) A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See the service manual for details.
- (4) The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.
- (5) If this equipment FCL-SCT20US causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
- (6) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

- (7) If trouble is experienced with this equipment FCL-SCT20US, for repair or warranty information, please contact RMS, Inc., 914-763-2346. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
- (8) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
- (9) If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this VLOFCL-SCT20 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.
- (10) Parties responsible for equipment requiring AC power should consider including an advisory notice in their customer information suggesting the customer use a surge arrestor. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem.

FCC WARNING

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

AC adapter with ferrite core must be used for RF interference suppression.

Operating Precautions

Install the equipment in a place that satisfies the following conditions to use for long period of time.

- A place not exposed to direct sunshine nor weathering.
- A place that has sufficient space for daily inspection, operation, etc.
- A place that is not struck directly by heater or air-conditioning.
- A place not subjected to corrosive atmosphere.
- A place free from excessive vibration, dust and dirt.
- A place not dripped with water.
- The equipment is of an indoor use type, so do not install it outdoors.

1. Confirmation of delivered items



Operator Terminal (1 unit)



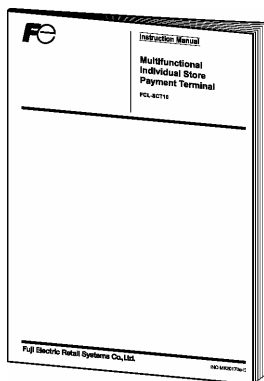
Card Reader/Writer Attachment (1.5m, 1 unit)



AC adapter (2m, 1 pc)



AC cable (1.8m, 1 pc)



Instruction Manual (1 copy)



Modular cable (2m, 1 pc)



Printer paper (W58 x Dφ80, 1 roll)

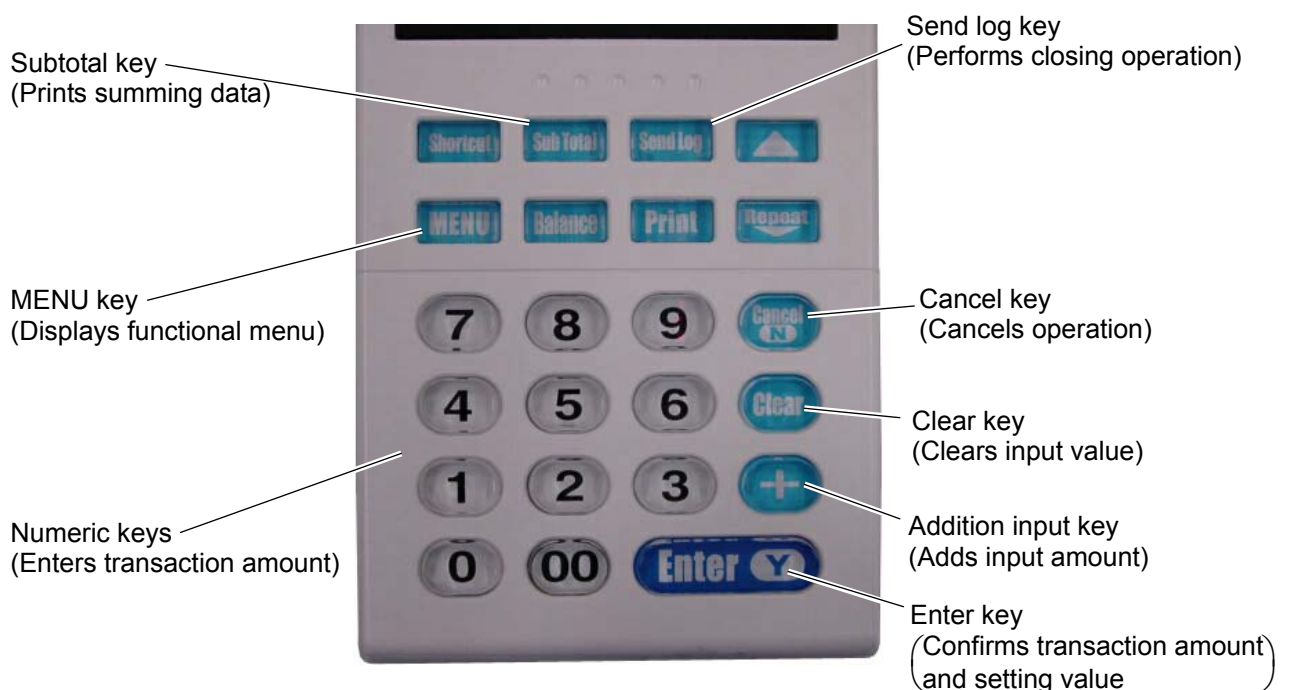
2. Names of parts and functional overview

2.1 Operator Terminal

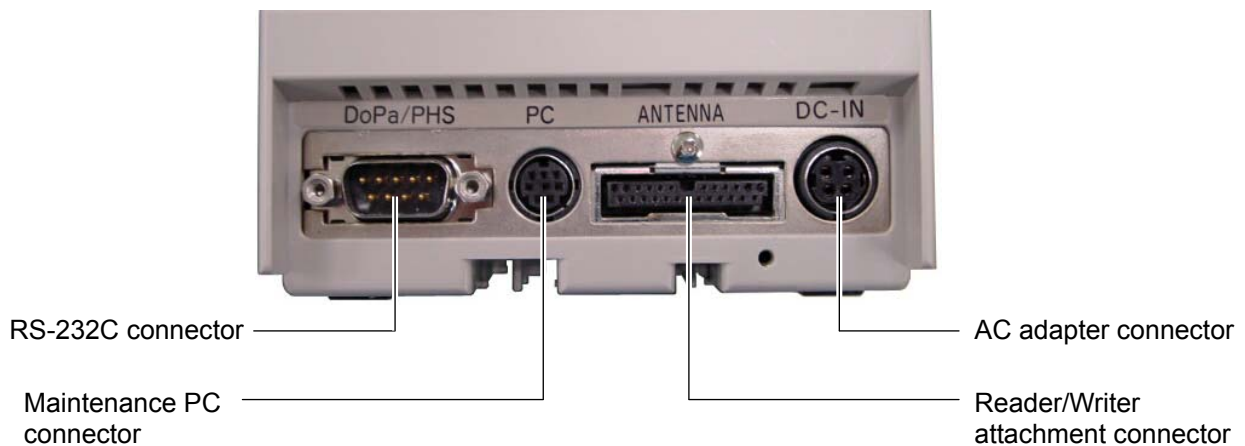
2.1-1 Appearance



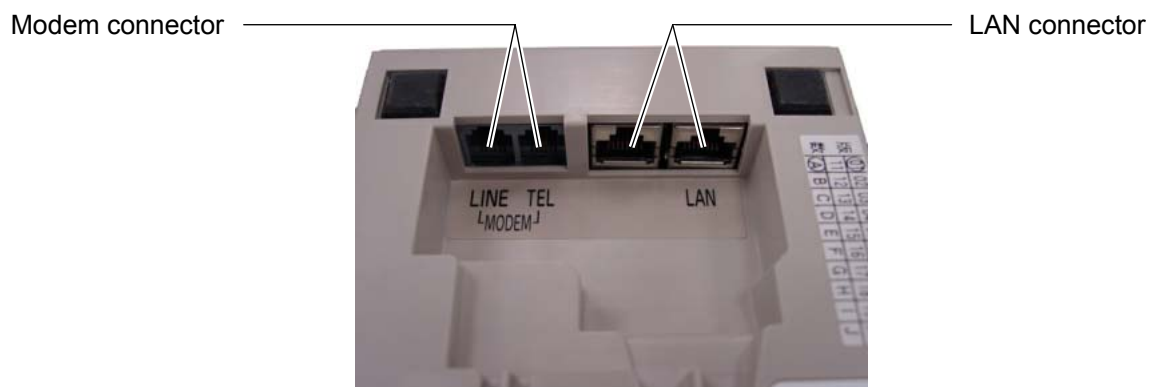
2.1-2 Operator Terminal keypad



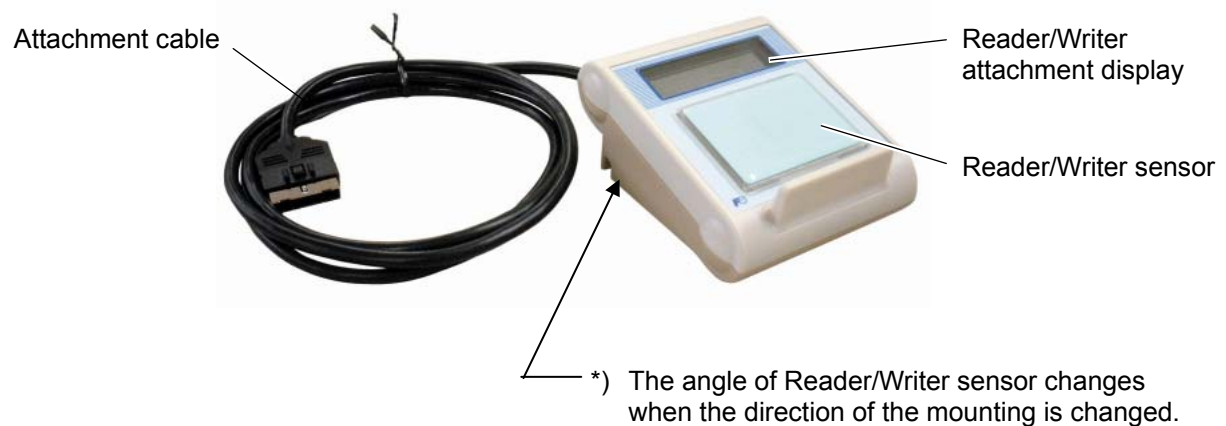
2.1-3 Terminal back



2.1-4 Terminal bottom



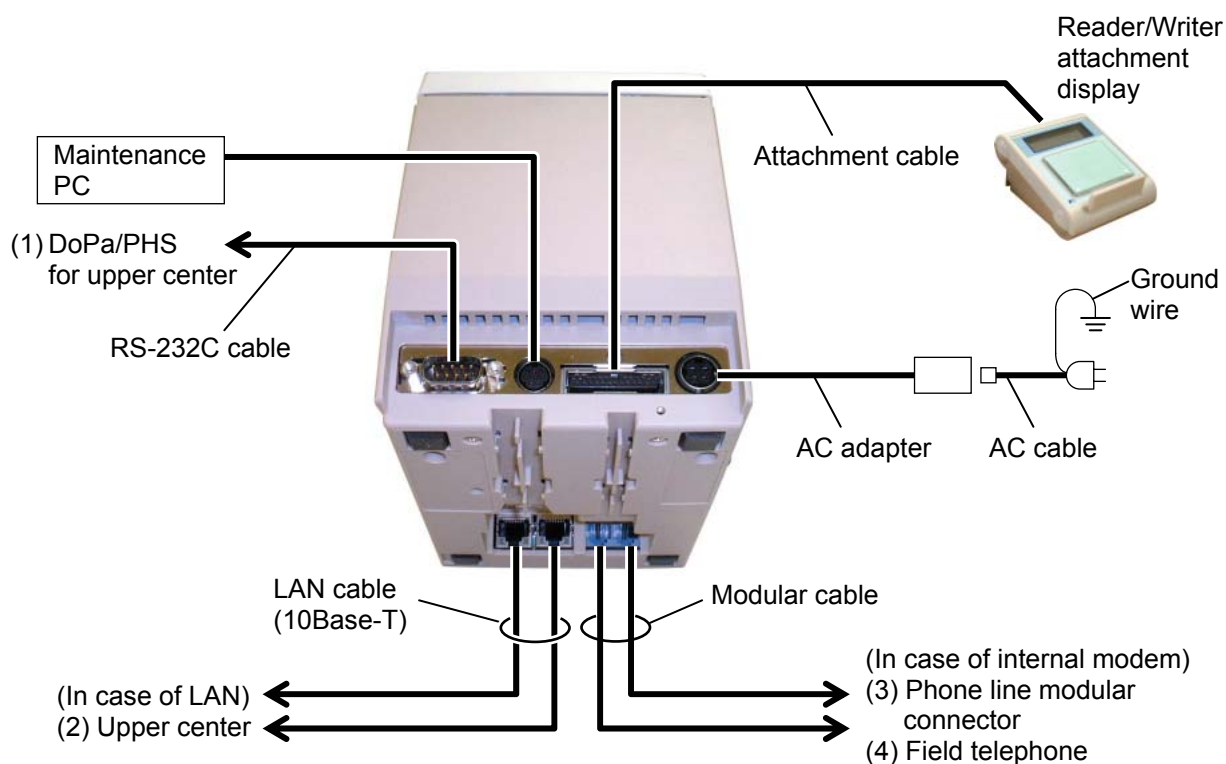
2.2 Card Reader/Writer Attachment



3. Connection of cable

3.1 Cable connection diagram

Connect the cable to the Operator Terminal as shown below.



Connection with upper center

- 1) LAN : Connect the LAN cable to (2).
- 2) DoPa/PHS : Connect the communication instrument to (1).
- 3) Internal modem : Connect the phone line to (3).

Connection with other centers

- 1) LAN : Connect the LAN cable to (2).
- 2) Internal modem : Connect the phone line to (3).

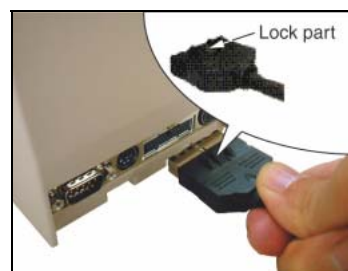
Note) When connecting the power supply, the ground should be connected by the grounding wire.

3.2 How to connect/disconnect cables

3.2-1 Connecting the attachment cable

1

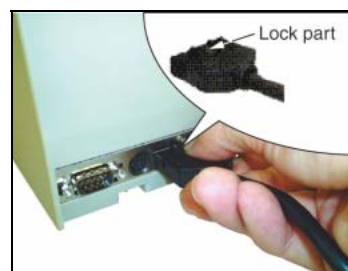
Insert the connector with the lock part facing up, until you hear a clicking sound and the connector is locked.



3.2-2 Disconnecting the attachment cable

1

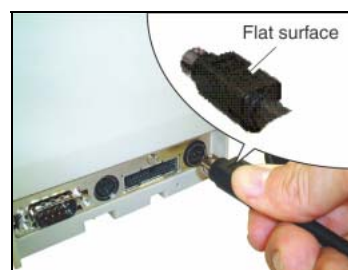
Pull the cable out while pressing down on the top button (lock part) of the connector.



3.2-3 Connecting the DC cable

1

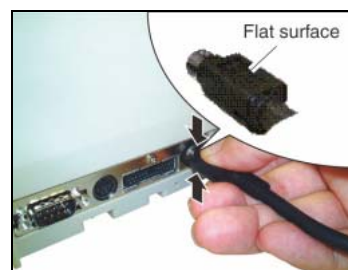
Insert the connector with the ⇑ part (flat surface) facing up, until you hear a clicking sound and the connector is locked.




3.2-4 Disconnecting the DC cable

1

Grip the sides of the cable in the direction of arrow (⇑⇓), and slide it to the draft direction to release the lock. When the lock is released, pull the connector out.



 CAUTION	When connecting or disconnecting the cable, turn off the Reader/Writer Attachment.
	Do not forcibly pull the cable out without releasing the lock. Otherwise, the connector may be damaged.

4. Basic Operation

4.1 How to turn on/off

4.1-1 Power ON operation

1

Press the [1:ON] side of the power switch on the Operator Terminal to turn on.



2

After the equipment is properly started up, the display screen becomes standby state.

Note) The standby display "Welcome" can be hidden by the setting. For the detail, refer to the "Setting of standby display of Reader/Writer Attachment" in "7.2 Sound/display setting"

Operator Terminal
display

Please Wait...

Initializing...
CCU xxxxxxxxxxxx

⋮

Operation mode
Input Total

Reader/Writer
attachment display

Please Wait...

Welcome!

4.1-2 Power OFF operation

1

Press the [0:OFF] side of the power switch to turn off.



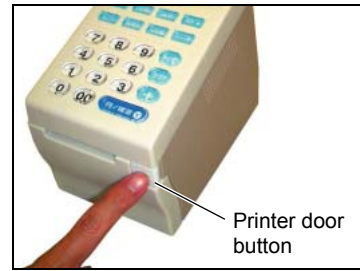
! NOTE !

Turn off the power when the equipment is in the standby state.
Do not turn off during transaction, adding or closing.

4.2 Installing Printer paper

1

Press the button located at the front of the terminal to open the top and front cover.

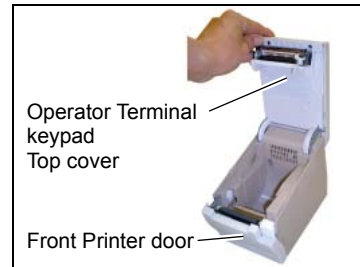


2

Open the operator terminal keypad upward.

! NOTE !

Do not forcibly open the front printer door toward you.
Otherwise, it may be damaged.

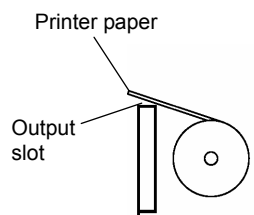


3

Load Printer paper roll into the terminal, and pull the paper edge out.

! NOTE !

Take up the slack of the Printer paper as shown below, and load it in the direction as shown at right. When there is slack of Printer paper or the paper is not loaded in a correct orientation, printing will not perform properly.

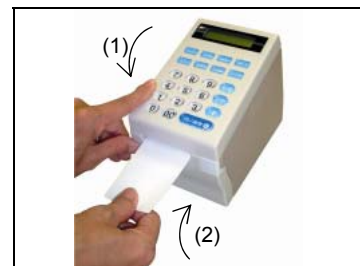


4

Pull the paper edge out as shown at right, and close the operator terminal keypad.

To close the operator terminal keypad.

- (1) Carefully close the operator terminal keypad.
- (2) Close the front printer door until you hear a clicking sound and the door is locked.



5

The terminal will automatically feed and cut, leaving one point.
Remove the paper that has been cut.

! NOTE !

Keep the power turned on while refilling the paper.
Otherwise, the paper will not automatically be set.



! NOTE !

The printer head protective paper is provided at the time of delivery. Be sure to remove it and set the Printer paper.

5. General Operation

5.1 Making a Purchase Transaction

5.1-1 Operation of payment

1

Enter the amount.

The following methods are available to enter the transaction amount.

1. Direct input
 2. Addition input
- See Section 5.1-2.

Operator Terminal display

Operation mode
Input Total

numeric keypad

Enter (Y)

Reader/Writer attachment display

Welcome!

2

Press the [Enter (Y)] key

3

The wait state for card touching starts.

The LED in the Reader/Writer sensor blinks to advise that the device is ready for card touching.

Total xxxxx
Wait for touch

Total xxxxx
Touch your card

4

Ask customer to tap his/her card on the center of the Reader/Writer sensor. (Any side, surface or reverse side, of a card is usable.)

When a mobile phone is used, hold the surface printed with FeliCa mark on the Reader/Writer sensor.



! NOTE !

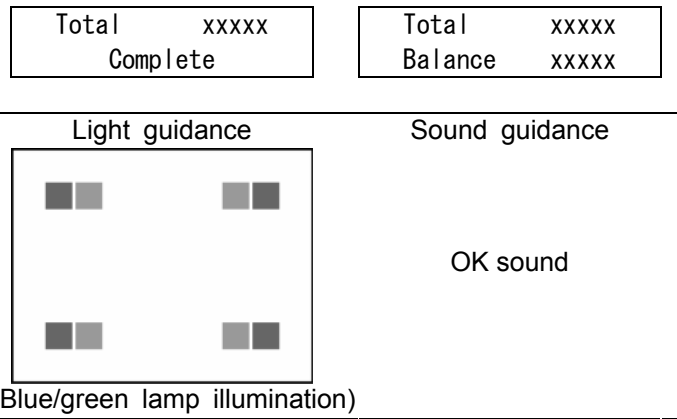
Hold a card horizontally on the Reader/Writer sensor. If it is held upright on it, transaction cannot be performed normally. If a metal or a metallic foil is attached, the card cannot be read or written and transaction cannot be performed normally.



5

Completion of transaction

If a transaction has been successfully performed, it is notified by the light guidance and the sound guidance in the Reader/Writer sensor.



6

A receipt will be printed manually or automatically depending on the setting.

[Example of receipt print]

shop name	←	Shop name (This is printed only when the setting is made.)
shop tel.	←	Shop telephone number (This is printed only when the setting is made.)
*** Thank You ***		
12/09/2004 10 : 10 : 00	←	Transaction time and date

Total	570	← Transaction amount
Balance	2430	← Current available balance
Card No.	5600 0000 0014 5760	← Card No.

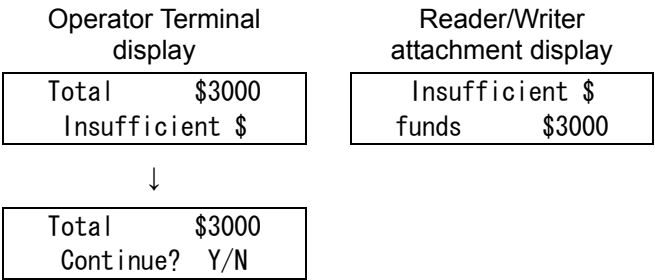
Terminal TRN	00000108	← Transaction sequence number controlled by the terminal
Module TRN	0000000539	← Transaction sequence number controlled by Module
Card TRN	12339	← Transaction sequence number controlled within a card
Terminal ID	01234567	← ID of upper terminal connected
	77733950	
9876-1233	←	Shop number – terminal number (This is printed only when the setting is made.)
	←	Shop advertisement (This is printed only when the setting is made.)

5.1-2 Entering the purchase amount

Input method	Description of operation	Reader/Writer attachment display
Direct input	<p>(11) Enter the amount by the numeric keys.</p> <p>Example) Enter 570.</p> <p><input type="text" value="5"/> <input type="text" value="7"/> <input type="text" value="0"/></p>	<div>Total\$570</div>
Summing input	<p>Enter the amount continuously by the addition input [+] key.</p> <p>(1) Enter the first amount.</p> <p>↓</p> <p>(2) Enter the addition input [+] key.</p> <p>↓</p> <p>(3) Enter the second amount.</p> <p>Example) Enter 110 + [+] + 110</p> <p><input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="+"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="0"/></p>	<div>Total\$220</div>

5.1-3 When 'Insufficient \$' has occurred

When an 'Insufficient \$' error occurs, the insufficient funds are displayed on the display after card touching.





The following 3 methods are provided for the processing of payment.

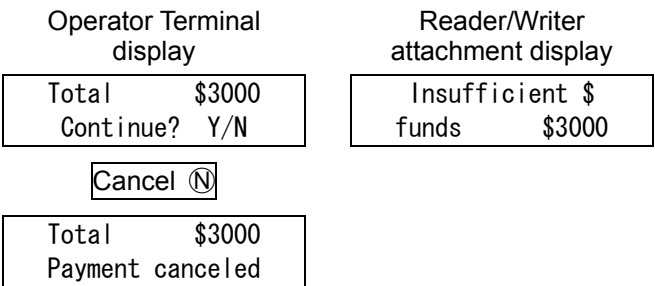
- (1) Change to cash payment in full
- (2) Withdraw the full amount from the card, and pay the rest in cash or in more than one card.
- (3) Withdraw the set amount from the card, and pay the rest in cash.

(1) When changing to cash payment in full

- 1

When the insufficient funds are displayed after card touching, press the [Cancel ] key.
- 2

The payment is canceled. Ask the customer to pay the remaining balance by cash, and push the [Cancel ] key again.



(2) When withdrawing the set amount from the card, and pay the rest in cash or in more than one card.

1

When the insufficient funds are displayed after card touching, press the [Enter Y] key.

Operator Terminal display

Total	\$3000
Continue?	Y/N

Reader/Writer attachment display

Insufficient \$ funds	\$3000
-----------------------	--------

Enter Y

2

Press the [1] key [1:All amount] from the insufficient funds menu.

Lack of balance
1:All amount

1

3

Press the [Enter Y] key.

*) To cancel the [All amount], press the [Cancel N] key.

Total	\$3000
Continue?	Y/N

Insufficient \$ funds	\$3000
-----------------------	--------

Enter Y

4

Ask a customer to touch the center of the Reader/Writer sensor.

Note) Payment cannot be performed with a different card, and no reaction will be seen.

*) Press the [Cancel N] key to cancel the payment.

Total	\$3000
Wait for touch	

Total	\$3000
Touch your card	



5

The insufficient funds after full withdrawal is displayed.

Bal Due	\$560
complete	

Total	\$3000
Bal Due	\$560

↓

6

Wait to touch the second card.

Ask a customer who has more than one card to touch the Reader/Writer sensor with the next card.

Total	\$560
Wait for touch	

Total	\$560
Touch your card	



“When a customer do not have more than one card.”


Press the [Cancel N] key and ask the customer to pay the remaining balance.

Please receive	
Bal Due	\$560

Please pay	
Bal Due	\$560

! NOTE !

Up to 5 cards can be used.

When canceling the payment (pressing the [Cancel ] key) on the “Wait for touch” display of the second or later card, insufficient amount should be paid in cash. If you do not have another card, be sure to receive cash.

“Printing example for multiple card transaction”

shop name	
shop tel.	
*** Thank You ***	
12/09/2004 10 : 10 : 41	

Card Payment	3560

Total	3000
Balance	0
Card No.	5600 0000 0014 5760
Terminal TRN	00000108
Module TRN	0000000539
Card TRN	00539
Terminal ID	01234567
	77733950

Total	560
Balance	0
Card No.	5600 0000 0014 6689
Terminal TRN	00000109
Module TRN	0000000540
Card TRN	12309
Terminal ID	01234567
	72345950

Card payment	3560
Others	0

Total	3560

9876-1233	

← Payment amount

Transaction within the first card

Transaction within the second card

← Payment amount

← Payment amount of another card

← Entered payment amount

Printed when paying in cash in combination.

(3) When withdrawing the set amount from the card, and pay the rest in cash.

- | | Operator Terminal display | Reader/Writer attachment display |
|---|--|--|
| <p>1 When the insufficient funds are displayed after card touching, press the [Enter (Y)] key.</p> | <div>Total \$3000</div> <div>Continue? Y/N</div> <div>Enter (Y)</div> | <div>Insufficient \$ funds \$3000</div> |
| <p>2 Press the [2] key [2:specify] from the insufficient funds menu.</p> | <div>Insufficient \$ 1:All amount</div> <div>2</div> | |
| <p>3 Enter the amount charged to the card by the numeric keys.
Press the [Enter (Y)] key.
*) To cancel the [specify], press the [Cancel (N)] key.</p> | <div>Total \$3000</div> <div>Numeric keypad</div> <div>Enter (Y)</div> | |
| <p>4 Ask a customer to touch the center of the Reader/Writer sensor.
Note) Payment cannot be performed with a different card, and no reaction will be seen.
*) Press the [Cancel (N)] key to cancel the payment.</p> | <div>Total \$3000</div> <div>Wait for touch</div> <div>↓</div> | <div>Total \$3000</div> <div>Touch your card</div> |
| <p>5 Ask the customer to pay the remaining balance, and then press the [Cancel (N)] key.</p> | <div>Please receive</div> <div>Bal Due \$560</div> | <div>Please pay</div> <div>Bal Due \$560</div> |

“Printing example for transaction combined with cash”

The diagram illustrates a receipt with two payment sections. The first section, 'Card payment', shows a total of 3000. The second section, 'Cash payment', shows a total of 3560. Arrows point from the text labels to the corresponding amounts on the receipt.

Card payment section:

- shop name
- shop tel.
- *** Thank you ***
- 12/09/2004 10 : 10 : 41
- Card payment 3000
- Total 3000
- Balance 0
- Card No. 5600 0000 0014 5771
- Terminal TRN 00000111
- Module TRN 0000000541
- Card TRN 12310
- Terminal ID 01234567
- 77733959

Cash payment section:

- *****
- Card payment 3000
- Others 560
- Total 3560
- *****
- 9876-1233

Labels and Arrows:

- 'Payment amount' points to the 3000 in the Card payment section.
- 'Payment amount of another card (cash payment)' points to the 560 in the Cash payment section.
- 'Payment amount in a card and cash' points to the 3560 in the Cash payment section.

5.2 Amount Input Error

5.2-1 Measures to be taken for an amount input error

1	If the wrong transaction amount is entered at the time of payment, hit the [Clear] key.	Operator Terminal display	Reader/Writer attachment display
		<div>Total\$580</div> <div>Input Total</div> <div>Clear</div>	<div>Please wait...</div>
2	The amount will be cleared. Re-enter the correct menu, and press the [Enter Ⓢ] key.	Operation mode _	Please wait...
		numeric keypad	
		Enter Ⓢ	
		<div>Total\$570</div> <div>Wait for touch</div>	<div>Total\$570</div> <div>Touch your card</div>

[(When payment is suspended after the [Enter Ⓢ] key is pressed.)
When the [Cancel Ⓝ] key is pressed, payment is suspended and the wait screen appears. Start the payment from the beginning newly.

5.2-2 When a time-out error occurs due to slow handling of a card

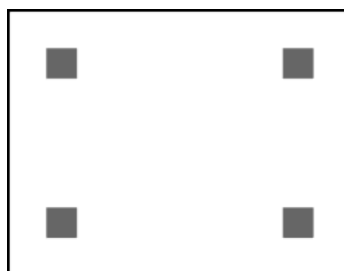
1	In the state of waiting for card touching, if the specified time has passed without card touching, the time is over.	Operator Terminal display	Reader/Writer attachment display
		<div>Total\$570</div> <div>タイム オーバー テース</div>	<div>Total</div> <div>トリヒキデ キマセンデ シタ</div>

5.2-3 When a card is removed while payment is being made

1

When a card is removed before payment is completed, the light guidance and the sound guidance operate as shown in the figure on the right side, and the waiting state for card touching might appear again. Let the same card touch the Reader/Writer sensor.

Light guidance



(Orange lamp illumination)

Sound guidance

Error sound

“Beep ♪”

Operator Terminal
display

Total	\$570
Wait for touch	

Reader/Writer
attachment display

Total	\$570
Touch card again	

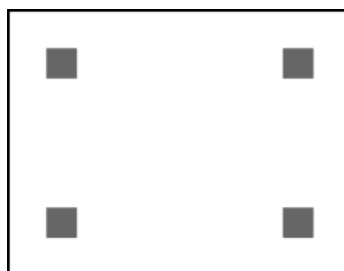
! NOTE !

- [Cancel (N)] key cannot be used.
- Other cards cannot be used due to payment.
- The card that was touched should not be used on another terminal due to payment.

2

When a time-out error occurs and payment has not been completed normally, an alarm report might be printed automatically depending on setting. When inquired by the user of a card, check the card balance on the alarm sheet (or alarm log sheet).

Light guidance



(Orange lamp illumination)

Sound guidance

Error sound

“Beep ♪”

Operator Terminal
display

Total	
カード カキコミ フメイ	

Reader/Writer
attachment display

Total	\$570
サ ン タ カ カ ク ニ ャ ク タ サ イ	

“Printing example of alarm receipt”

shop name		
shop tel.		
*** Thank You ***		
12/09/2004 10 : 10 : 00	← Transaction time and date	

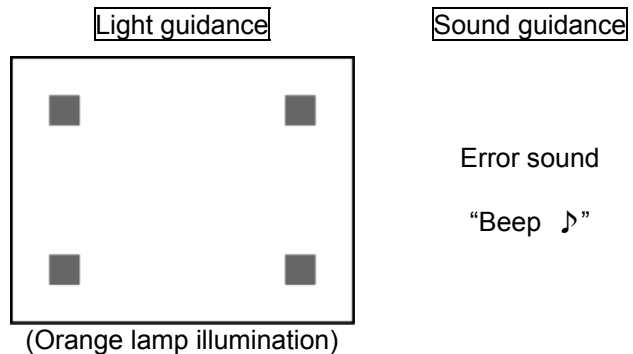
Total	570	← Transaction amount
Balance	2430	← Current available balance
Card No. 5600 0000 0014 5760	← Card No.	

Terminal TRN	00000108	← Transaction sequence number controlled by the terminal
Module TRN	0000000539	← Transaction sequence number controlled by Module
Card TRN	12339	← Transaction sequence number controlled within a card
Terminal ID	01234567	← ID of upper terminal connected
	77733950	
9876-1233		

*****Alarm Transaction*****	← Comment when alarm transaction occurred	
Please check your balance.		

5.2-4 When a non-usable card is detected

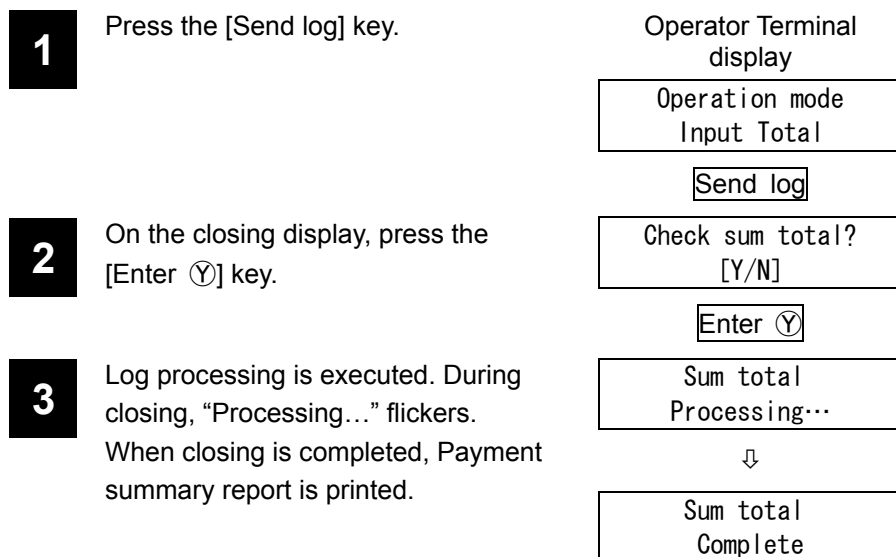
- When a card, which cannot be processed, is detected, the light guidance and the sound guidance operate as shown in the figure on the right side.
Note) No reaction might be made depending on cards.



5.3 Terminal Reporting Closing Procedure

5.3-1 Closing procedure

Make sure to complete the following operation at the close of each business day.



! CAUTION !

(When using phone line for center communication)

Closing cannot be completed where the line is not available (field telephone call, etc).

5.3-2 Payment summary report

When closing is properly completed, "****Process complete****" is printed on the payment summary report.

Payment sum Report		
SUM TRN	0011	← LOG report issuance number 0001 to 9999
Terminal ID	01234567	← ID of upper terminal connected
This Time	12/09/2004 20 : 10 : 00	← Time period
Last Time	12/08/2004 20 : 05 : 00	
Module TRN	00000520 - 00000526	← The range of transaction serial numbers
Terminal TRN	00000107 - 00000113	← The range of terminal transaction serial numbers

Card Payment		
Total No.	5	← The number of normal transactions
Total amount	77999	← The normal transaction amount

Total No.	1	← Total number of transactions
Total amount	24000	← Total value of alarm transactions

*** Process complete ***		← Closing results:
60698104		This indicates the closing has been finished normally and the data has been transferred to the upper center.
9876-1233		

Printed only when alarm occurred

5.3-3 Transmission failure

“***ERROR!!(xx)*** Please check sum total again” is printed on the payment summary report.

Transmission failure may be caused because payment summary data was not sent to the center due to communication circuit faulty or working condition of a center.

Check the communication circuit and the center working condition, and perform closing procedure again.

Note) Keep all the LOG reports.

Note that, if communication error is continuously found, contact our support desk.

Payment sum Report

SUM TRN 0011
Terminal ID 01234567
This Time 12/09/2004 20 : 10 : 00
Last Time 12/08/2004 20 : 05 : 00
Module TRN
00000520 - 00000526
Terminal TRN
00000107 - 00000113

Card Payment
Total No. 5
Total amount 77999

Total No. 1
Total amount 24000

ERROR!!(xx)
Please check sum total again
60698104

9876-1233

Printed when an alarm occurs during the period

Inform the support desk of the number in the parentheses.

Closing results:
This indicates the LOG has not been transmitted to the upper center due to a communication error.

Note) If “***P center Error (03)” is printed, there may be an error of internal modem. Contact our support desk.

5.4 Printing summary or journal report

Transaction condition, past detail report, summary or journal report in the specified period can be printed.
Perform printing as required.

5.4-1 Printing summary or journal data to date

Summary or journal data from the previous log to date is printed.

1

Press the [MENU] key.

2

Press the [1: report] [1] key from the main menu.

3

Press the [1: confirmation] [1] key from the report menu.

4

Select summary or details from the confirmation menu.
[1: confirmation] : Prints the summary report.
[2: details] : Prints the journal report.

5

Summary processing is executed, and current summary or journal is printed.

Operator Terminal display

Operation mode
Input Total

MENU

main menu
1:report

1

report menu
1:confirmation ▼

1

past report
1:summary ▼

2:details ▲

1 or 2

Detail : past 1
Processing...

↓

Detail : past 1
Complete

! Useful Functions !

Press the [Sub Total] key to print the summary to date by easy operation.

! NOTE !

To cancel journal report printing in the middle, press the [Cancel Ⓝ] key.

“Printing example of summary report”

*** Past detail report ***		In the case of “Past summary” report in the next section, the title changes.
Terminal ID	01234567	ID of the upper terminal connected
From	12/09/2004 12 : 02 : 34	Year, month, date, hour, minute and second at the time of closing
To	12/09/2004 15 : 23 : 19	Year, month, date, hour, minute and second at the time of check/closing

Card Payment		
Total No.	5	The total number of transactions made during the period
Total amount	77999	The total amount of transactions made during the period

Total Alarm No.	1	The number of alarm transactions made during the period
Total Alarm amount	24000	The amount of alarm transactions made during the period

Printed when an alarm occurs during the period

“Printing example of journal report”

Past detail report	
Terminal ID	01234567
From	12/09/2004 12 : 02 : 34
To	12/09/2004 15 : 23 : 19

Card Payment	
Total No.	5
Total amount	77999

Total Alarm No.	1
Total Alarm amount	24000

12/09/2004 10 : 10 : 00	← Transaction time and date
Module TRN 000539 Card TRN 12339	← Transaction serial number/card transaction serial number
Terminal TRN 000108	← Terminal transaction serial number
Card No. 5600 0000 0014 5760	← Card No.
Total \$3.50 Balance \$203.82	← Current available balance
77733950	
12/09/2004 12 : 34 : 32	
Module TRN 000540 Card TRN 12456	
Terminal TRN 000109	
Card No. 5600 0000 0023 5760	
Total \$1.00 Balance \$21.50	
77734567	
12/09/2004 14 : 22 : 34 *	← Mark for alarm transaction ([*] mark is printed for an alarm transaction.)
Module TRN 000541 Card TRN 12343	
Terminal TRN 000110	
Card No. 5600 0000 0014 7760	
Total \$1.00 Balance \$21.50	
77733954	
12/09/2004 14 : 44 : 21	
Module TRN 000542 Card TRN 14446	
Terminal TRN 000111	
Card No. 5600 0000 0023 5555	
Total \$12.85 Balance \$4.15	
77734599	

5.4-2 Printing previous closing data and journal

Select the closing data before the previous one or its journal, and perform printing.
Up to 100 previous receipts are printed in the Summary data, and the Journal is printed within the range of retained one transaction detail (up to 10000 receipts).

1

Press the [MENU] key.

2

Press the [1: report] [1] key from the main menu.

3

Press the [2: past report] [2] from the report menu.

*) When the [▼] key is pressed, [2: past report] is displayed.

4

Select summary or details from the past summary menu.

[1: summary]: Prints the previous summary report.

[2: details] : Prints the journal report.

5

The past 1 (previous) closing date is displayed.

Select the corresponding closing date by the [▼] key, and press the [Enter Ⓢ] key.

6

The summary processing is executed, and the past summary or journal is printed.

Operator Terminal display

Operation mode
Input Total

MENU

main menu
1:report ▼

1

report menu
2:past report ▼

2

report menu
1:summary ▼

2:details ▲

1 or 2

Sum : past 1 ▼
04/12/07 19:39

▼

Enter Ⓢ

Sum : past 1
Processing...

↓

Sum : past 1
Complete

! NOTE !
To cancel journal report printing in the middle, press the [Cancel Ⓝ] key.

5.4-3 Printing summary data or journal in specified period

Specify the period, and add up the closing report, and then print the summary report or journal report.

1	Press the [MENU] key.	Operator Terminal display Operation mode Input Total [MENU]
2	Press the [1: report] [1] key from the main menu.	main menu 1:report/reprint▼ [1]
3	Press the [3: period] [3] from the report menu. *) When the [▼] key is pressed, [3: period] is displayed.	Summary menu 3:Period ▼ [3]
4	Select summary of details from the period report menu. [1: summary]: Prints the previous summary report. [2: details] : Prints the journal report.	キカン シュケイ 1: Summary ▼ 2:details ▲ [1] or [2]
5	Start with the period input display, enter an end date with the numeric keys and press the [Enter Ⓨ] key. The cursor can be moved with the [▼] key or the [▲] key. Note) When an input error is made, press the [Cancel Ⓝ] key and enter again. *) The present date is automatically entered in the end day section.	カシ 00/00/00 シュリヨウ 04/12/09 numeric keypad Enter Ⓨ
6	The summary processing is executed, and the summary report in the specified period is printed.	details Processing... ↓ details complete

! NOTE !

To cancel journal report printing in the middle, press the [Cancel Ⓝ] key.

“Printing example of period summary report”

Printed when an alarm occurs during the period

*** 期間集計 ***	
上位端末 I D	01234567
開始 2004年12月 06日 20:43:23	*
終了 2004年12月 09日 20:49:06	
締め回数	4 回

利用	
利用件数	78 件
利用金額	153,000 円

利用アラーム件数	1 件
利用アラーム金額	1,000 円

← ID of the upper terminal connected
 ← The specified start date (If a specified period is not within the range of the kept data, [*] mark is printed.)
 ← The specified end date
 ← The number of closing during the period

“Printing example of journal report”

*** ジャーナルレシート ***	
上位端末 I D	01234567
開始 2004年12月 06日 20:43:23	
終了 2004年12月 09日 20:49:06	
締め回数	4 回

利用	
利用件数	78 件
利用金額	153,000 円

利用アラーム件数	1 件
利用アラーム金額	1,000 円

記録領域を超えています。 ←	
2004年12月06日 09:02:34	
通番 000401	カード通番 12349
端末通番 000001	
No. 5600 0000 0014	5760
支払 ￥570	残高 ￥2,430
	77733955
2004年12月06日 10:34:32	
通番 000402	カード通番 12446
端末通番 000002	
No. 5600 0000 0023	5668
支払 ￥700	残高 ￥300
	77734587
2004年12月06日 14:22:34	
通番 000403	カード通番 12343
端末通番 000003	
No. 5600 0000 0014	7769
支払 ￥24,000	残高 ￥1,000
	77733954
2004年12月06日 16:44:21 * ←	
通番 000404	カード通番 14446
端末通番 000004	
No. 5600 0000 0023	6666
支払 ￥1,000	残高 ￥1,000
	77734590
2004年12月06日 18:02:34	
通番 000405	カード通番 23456
端末通番 000005	
No. 5600 0000 0014	6777
支払 ￥14,000	残高 ￥6,000
	77733916

← If the specified period is not within the range of the kept data, the message is printed.

← Mark for alarm transaction
 ([*] mark is printed for an alarm transaction.)

5.5 Response to inquiries from the users of a card

After a transaction, you can re-print a report and check the contents of transaction to respond to the inquiries from the users of a card. Up to the previous 10 transaction receipts can be re-printed. Solve a trouble in accordance with the contents of a transaction.

1

Press the [MENU] key.

2

Press the [1: report/reprint] [1] key from the main menu.

3

Press the [4:レポート サイジング] [4] from the report menu.

*) When the [▼] key is pressed, [4:レポート サイジング] is displayed.

4

The past 1 (previous) card No. is displayed.

Select the corresponding card No. by the [▼] key, and press the [Enter Ⓢ] key.

5

Reprinting is executed.

Operator Terminal display

Operation mode
Input Total

MENU

main menu
1:report/reprint▼

1

Summary menu
4:レポート サイジング ▲

4

reprint : past 1▼
9810000000000746

Enter Ⓢ

! Reference !

Event is printed when an event log card is specified, and transaction contents can be checked by its event log. (Refer to “7.3-1 Event log printing”.)

! NOTE !

When the alarm report print is set to none, only normal transaction can be printed.
The transaction which alarm occurred will not be printed.

6. How to practice operation

6.1 Outline of practice mode

- (1) This device is equipped with a function, with which you can practice the operation, using a real card, even while in business hours.
- (2) Use this function to train new employees
- (3) The device is so constructed that the data created in this mode are not to be a subject of the sales record.

6.2 Subject operations for practice mode

- (1) Payment operation and its report printing ('Insufficient \$' error cannot be practiced.)
- (2) Closing operation and its report printing

6.3 How to enter the practice mode and release it

6.3-1 How to enter the practice mode

1

Press the [MENU] key.

Operator Terminal
display

Operation mode
Input Total

[MENU]

2

Pres the [2] key in the main menu.

main menu
2:レソシュウ

[2]

[Enter (Y)]

3

When the [Enter (Y)] key is pressed, the wait state for the practice mode starts.

■■■■レソシュウ モード■■■■レソ
Input Total


6.3-2 How to release the practice mode

1

When the [MENU] key is pressed to show the menu display, the practice mode is released.

(When the [Cancel (N)] key is pressed, the wait state returns.)

6.4 Display and sound during the practice mode

While in the practice mode, the “” is displayed at the upper right end of the Operator Terminal display, and the whole display area blinks. The Reader/Writer attachment display is also highlighted. The beep sound continues during the practice mode.

Display example for transaction



Reversing display
Reader/Writer
attachment display

6.5 Report during the practice mode

“Practice mode” is printed on a report created during the practice mode.

“Printing example of report”

0268-12-3456

練習モ一ド
ご利用明細

2004 年 12 月 09 日 10:10:00

支払 〃ZZ,ZZZ
残高 ￥2,430
No. 5600 0000 0014 5760

端末取引通番 NNNNNNNN
取引通番 NNNNNNNNNN
カード取引通番 NNNNN
上位端末 I D 01234567
NNNNNNNN

9876-1233

“Practice mode”
is printed.

“Printing example of closing report”

```

      * * *練習モード* * *
      * * *ご利用明細* * *

締め通番                               NNNN
上位端末 I D                          07070707
今回 2004年 12月 09日 16:27:40
前回 2004年 12月 09日 16:27:18
取引通番                                NNNNNNNN - NNNNNNNN

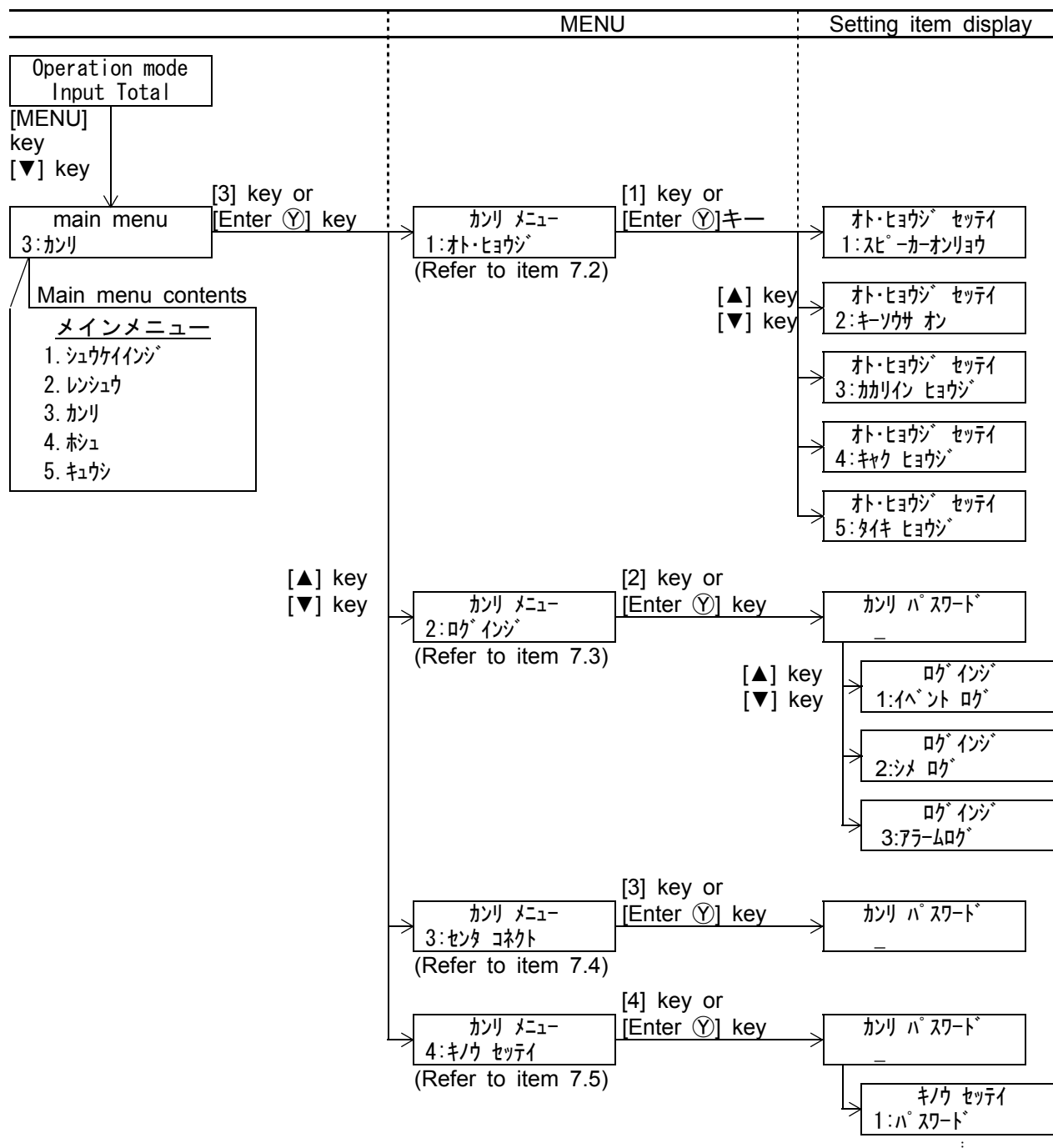
端末取引通番                            NNNNNNNN - NNNNNNNN
-----
利用
    利用件数                           ZZ,ZZZ 件
    利用金額                             ZZ,ZZZ,ZZZ 円
-----
* * *   正常に終了しました   * * *
                                  NNNNNNNN

```

7. Controller operation

7.1 Operation flow chart of Controller menu

When the [Enter (Y)] key is pressed in the applicable setting item display in the control menu, the setting display appears. See the referenced sections and perform setting change, etc.,



! NOTE !

To cancel the setting or operation in the middle, press the [Cancel (N)] key.
A previous screen will return.

7.2 Sound/display setting

Sound volume or display brightness is set or changed.

Display the [1: Sound display] from the “7.1 Operation flow chart of Controller menu”.











Items	Contents/operation (setting value range)	Default	Display
Setting of speaker volume	<p><u>Set the speaker volume of the Card Reader/Writer Attachment.</u></p> <p>Enter the sound volume (1 to 3) by the numeric keys.</p> <p>Fix it by the [Enter (Y)] key.</p> <p>* When pressing the numeric keys, the speaker beeps at that volume, and it can be checked.</p>	2	<div> オト・ヒョウジ セッテイ 1:スピーカーオンリョウ </div> <div>↓ [Enter (Y)] key</div> <div> スピーカーオンリョウ オンリョウ: 2[1-3] </div>
Setting of key operation sound	<p><u>Set the key operation sound of the Operator Terminal.</u></p> <p>Select the operation sound (With/Without) by the [▲] or [▼] key.</p> <p>Fix it by the [Enter (Y)] key.</p>	With	<div> オト・ヒョウジ セッテイ 2:キー ソウサオン </div> <div>↓ [Enter (Y)] key</div> <div> キー ソウサオン *アリ ナシ </div>
Setting of contrasting density of Operator Terminal	<p><u>Set the LCD contrasting density of the Operator Terminal.</u></p> <p>Enter the LCD contrasting density (1 to 3) by the numeric keys.</p> <p>Fix it by the [Enter (Y)] key.</p>	2	<div> オト・ヒョウジ セッテイ 3:カリイン ヒョウジ </div> <div>↓ [Enter (Y)] key</div> <div> カリイン ヒョウジ ノウト: 2[1-3] </div>
Setting of brightness of Reader/Writer Attachment	<p><u>Set the VFD brightness of Reader/Writer Attachment</u></p> <p>Enter the VFD brightness (1 to 3) by the numeric keys.</p> <p>Fix it by the [Enter (Y)] key.</p>	2	<div> オト・ヒョウジ セッテイ 4:キャク ヒョウジ </div> <div>↓ [Enter (Y)] key</div> <div> キャク ヒョウジ ノウト: 2[1-3] </div>
Setting of standby display of Reader/Writer Attachment	<p><u>Set the standby display of Reader/Writer Attachment</u></p> <p>Select the standby display (With/Without) by the [▲] or [▼] key.</p> <p>Fix it by the [Enter (Y)] key.</p>	With	<div> オト・ヒョウジ セッテイ 5:タイキ ヒョウジ </div> <div>↓ [Enter (Y)] key</div> <div> タイキ ヒョウジ *アリ ナシ </div>

7.3 Log Printing


Each log of event, closing, alarm is printed.
Display [2: Log print] from the "7.1 Operation flow chart of Controller menu".

7.3-1 Event log printing

There are 2 methods for printing even log; specifying the period or specifying the Card No.
It enables to check the detailed situation of power failure, or before or after the power restoration.
The maximum number of storable event log is 3,000.

<div>1</div>	Enter the controller password (4 to 8 digits) by the numeric keys, and press the [Enter ] key.	<div>Operator Terminal display</div> <div>カソリ パスワート</div> <div>—</div> <div>numeric keypad</div> <div>Enter </div>
<div>2</div>	"Log print" menu is displayed. Press the [1: Event log] [1] key.	<div>ロケ インジ</div> <div>1:イベント ロケ ▼</div> <div>1</div>
<div>3</div>	Enter the starting date of log printing by the numeric keys, and press the [Enter ] key.	<div>キカソ カソ</div> <div>00/00/00 00:00</div> <div>numeric keypad</div> <div>Enter </div>
<div>4</div>	Enter the ending date by the numeric keys, and press the [Enter ] key. *1) Current date is automatically entered the ending date. *2) When pressing the [Enter ] key without entering the starting date or the ending date, all data will be applied.	<div>キカソ シュケリョウ</div> <div>04/12/01 10:00</div> <div>numeric keypad</div> <div>Enter </div>
<div>5</div>	Enter the Card No. by the numeric keys, and press the [Enter ] key. The event log of the specified Card No. is printed. *) When pressing the [Enter ] key without entering the Card No., the event log is printed, applying all Card No. in a specified period.	<div>Card No.</div> <div>0000000000000000</div> <div>numeric keypad</div> <div>Enter </div> <div>イベント ロケ インジ</div> <div>ショリチュウ!</div> <div>↓</div> <div>イベント ロケ インジ</div> <div>カソリョウ シマシタ</div>

! NOTE !

To cancel printing in the middle, press the [Cancel ] key.

“Printing example of event log”

```

*** イベントログ印字 ***
上位端末ID          01234567
2004年 12月 09日 19:24:34
探索開始 04年 12月 09日 19:05:39
探索終了 04年 12月 09日 19:11:44
探索No.  指定なし
04/12/09 19:08:21 [00]  休止
<電源ON> <
-----
01/12/09 19:08:31 [A1]  運用
<モード切替>
  変更前                休止
  変更後                運用
-----
04/12/09 19:08:35 [40]  運用
<決済開始>
-----
04/12/09 19:08:36 [70]  運用
<カード捕捉>
  No.          5600-0000-0014-5760
  残高          25836
  カード取引通番 00065
  ログ状態・ステータス 00 22-30
04/12/09 19:08:35 [72]  運用
<減算開始>
  No.          5600-0000-0014-5760
  減算金額      100
  前残高        25836
04/12/09 19:08:56 [73]  運用
<減算終了>
  No.          5600-0000-0014-5760
  減算金額      100
  新残高        25736
  取引通番      00065
  カード取引通番 00065
  結果・ステータス 00 22-41
                  正常終了

```

← Year, month, day, hour, minute and second at the time of search starting.
 ← Year, month, day, hour, minute and second at the time of search ending.
 ← Card No. searching

← Year, month, day, hour, minute and second at the time of event occurrence.
 Event name *)

Event contents

- *) Type of event
- Power ON/OFF
 - Equipment condition
 - Operation
 - Control
 - Maintenance

7.3-2 Printing of closing LOG

History of closing LOGs can be printed.

Max. 100 cases of closing LOGs can be saved.

1

Input the controller password (4 to 8 digits) with the numeric keys and press the [Enter (Y)] key.

Operator Terminal
display

カンリ パスワード

numeric keypad

Enter (Y)

2

The “Log Print” menu appears. Press the [2] key.

*) When the [▼] key is pressed, “2: LOG” appears on the display.

ログ インジ
2: シメ ログ

2

3

3) Input the start date and the end date of LOG to be printed with the numeric keys and press the [Enter (Y)] key.

The cursor can be moved by the [▼] key or the [▲] key. The LOG of the specified period is printed.

Note) If a wrong value is input, press the [Clear] key and input a correct one.

カシ 00/00/00
シュウリョウ 04/12/09

numeric keypad

Enter (Y)

シメ ログ
シュウリョウ

↓

シメ ログ
シュウリョウ シマシタ

“Printing example of LOG report”

Printed when an
alarm occurs
during the period

*** 締め情報レシート ***		
2004年 12月 09日 20:27:56		← Printing time and date
探索開始日 2004年 12月 09日		← Search condition: Starting date
探索終了日 2004年 12月 09日		← Search condition: Ending date
上位端末 I D	01234567	← ID of upper terminal connected
締め通番	0011	← Serial number
今回 2004年 12月 09日 20:10:00		← Year, month, date, hour, minute and second of LOG operation this time
前回 2004年 12月 09日 20:05:00		← Year, month, date, hour, minute and second of LOG operation last time
利用		← Transaction
利用件数	5 件	← The number of normal transactions
利用金額	77,999 円	← The amount of normal transactions
利用アラーム取引件数	1 件	← The number of alarm transactions
利用アラーム取引金額	24,000 円	← The amount of alarm transactions
センタ通信結果	正常終了	
	71425632	

7.3-3 Alarm log print

Log report of the transaction for which alarm report is issued can be printed. (Refer to page 24.)
The maximum number of storable alarm log is 50.

1

Enter the controller password (4 to 8 digits) by the numeric keys,
and press the [Enter (Y)] key.

Operator Terminal
display

カンリ パスワード

numeric keypad

Enter (Y)

2

The "Log print" menu is displayed. Press the [3: Alarm log] [3] key.
Alarm log is printed.

ログ インジ
3: アラームログ ▼

3

アラームログ インジ
ジョリチュウ!

! NOTE !

To cancel the alarm log report printing in the middle, press the [Cancel (N)] key.

"Printing example of alarm LOG report"

*** アラームレシート ***

上位端末 I D01234567

2004年 12月 09日 16:57:23

2004年12月09日 14:22:34 *

通番000541

カード通番12343

端末通番000110

No.5600 0000 0014 7760

支払 ¥24,000

残高 ¥1,000

77733954

Transaction time and date ([*] means alarm transactions)

Transaction serial number, card transaction serial number

Terminal transaction serial number

Card No.

Current available balance

2004年12月08日 10:44:21 *

通番000552

カード通番14446

端末通番000121

No.5600 0000 0023 7777

支払 ¥5,000

残高 ¥1,000

77734500

2004年12月08日 15:02:34 *

通番000563

カード通番12043

端末通番000133

No.5600 0000 0014 6660

支払 ¥20,000

残高 ¥1,000

77733964

Transaction time and date ([*] means alarm transactions)

Transaction serial number, card transaction serial number

Terminal transaction serial number

Card No.


Current available balance

7.4 Manual center communication

In the case of center communication error, a center communication test can be conducted through this operation.

Display the [3: Center connect] from “7.1 Operation flow chart of Controller menu”.


- 1

Enter the controller password (4 to 8 digits) by the numeric keys, and press the [Enter ] key.


Operator Terminal display

カンリ パスワード
—


numeric keypad

Enter 


- 2

“Center connect” is displayed. Press the [Enter ] key.


センタコネクト
1:センタコネクト

Enter 

- 3

“Center connect” is displayed.
Press the [Enter ] key to perform the center communication.
The result is printed on the report.

センタコネクト
[Y/N]

Enter 

センタコネクト
ショリチュウ!

↓

センタコネクト
セイコウシマシタ

When it fails, “Failed” is displayed.

センタコネクト
シツパ イシマシタ

*** センタコネクト結果 ***

上位端末ID 20000259
2005年01月17日 12 : 52 : 28
コネクト結果 正常

← OK if the result is normal.

初回通信 済
鍵配信 済
未送信ログ 有り
送信済みログ 有り
センタコネクトステータス処理コード 00
センタコネクトステータス異常コード 00

← In case of error status, contact our support desk to report the error code.

7.5 Function Set Operation

Perform setup change of the equipment.

This operation is protected by the controller password.

Management functions setting

Name			Contents	Settable range (default)
Password	Administration		Controller password setting	4 to 8 digits
	Login	Password	Login password setting	4 to 8 digits
		Setting	Login setting	Valid/Invalid (Invalid)
Report	Shop No.		Shop number	4 digits
	Terminal No.		Number of terminal in the store	4 digits
	Shop name		Shop name setting	English, numbers 16 digits *
	Shop Tel.		Telephone number of the shop	13 digits
	Logo		Logo print setting for the receipt (Logo printing on the receipt or the point receipt)	With/Without (With)
	Print	Normal receipt	Manual/Auto setting for the receipt printing	Manual/Auto (Auto)
		Alarm receipt	Alarm report	With/Without (Without)
	Number of Printer paper		Setting of the number of receipt to be issued	1 to 3 pieces (1 piece)
	Number of closing receipt		Setting of the number of closing receipt to be issued	1 to 3 pieces (1 piece)
	Paper-out operation		Setting of paper-out operation enabled/unabled	Enabled/Unabled (Unabled)
	Shop advertisement		Shop advertisement	English, numbers 16 digits *
	Time			Time setting
Setting information			Printing the setting contents	—
Balance			Manual/Auto setting for the balance display	Manual/Auto (Auto)
Shortcut key			Money amount allocation setting to the numeric keys	


*) Enter the store name at shift JIS code input, and A to F by the [00] key.

7.5-1 How to enter the setting item

1

Display the “Function setting” from the administration menu, referring to “7.1 Operation flow chart of Controller menu”. Press the [4] key.




2

Enter the controller password (4 to 8 digits) by the numeric keys, and press the [Enter ] key.

3

Function setting items are displayed.

4

Select the corresponding item by the [Repeat ] key or the [] key, and press the [Enter ] key, and then the setting display appears. (See the next page.)
For setting, refer to “7.5-2 Setting of various functions”.


Operator Terminal
display

カンリ メニュー
4:キノウセツテイ

4


カンリ パ スワート*

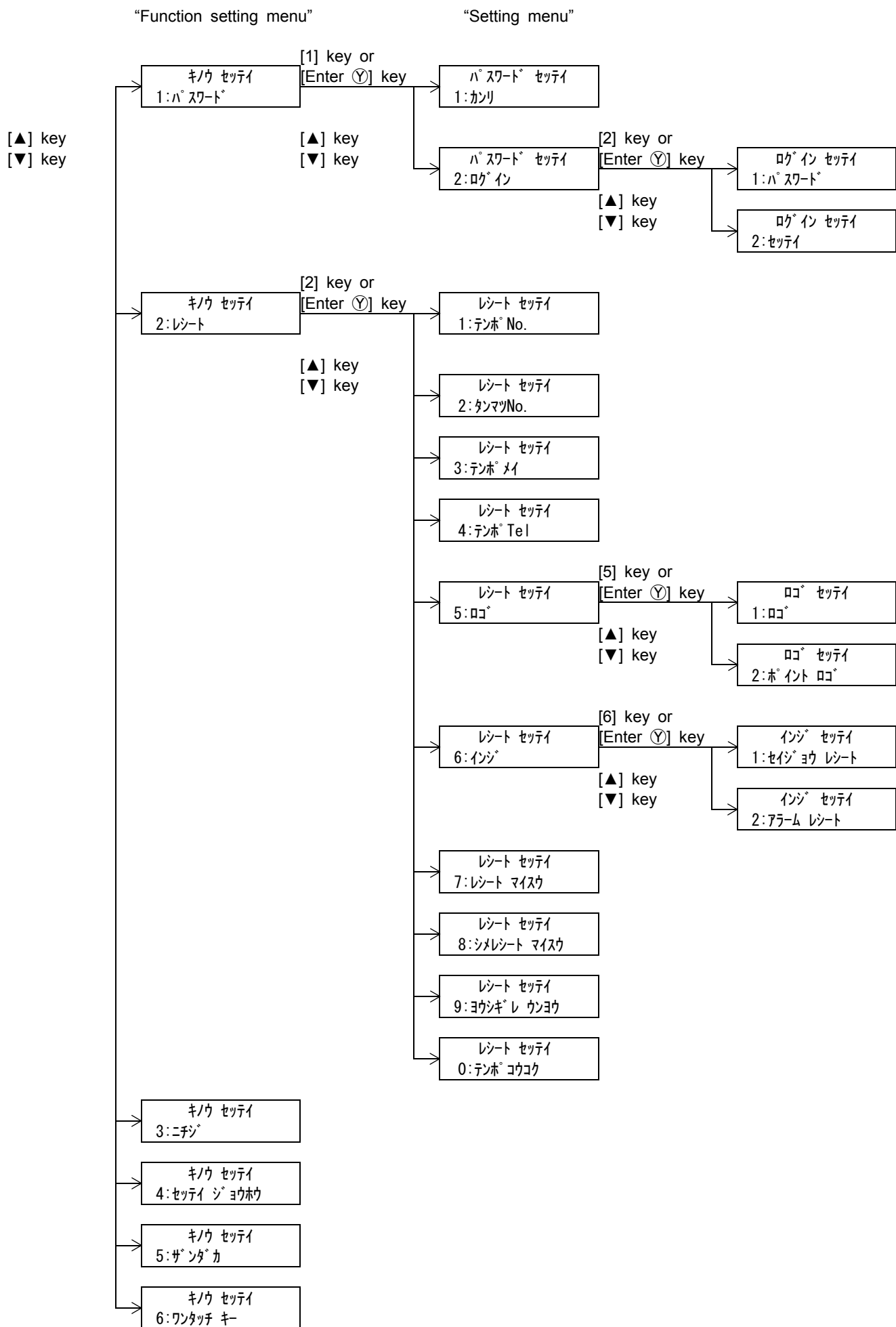
numeric keypad

Enter 

キノウ セツテイ
1:パ スワート*

, 

Enter 



7.5-2 Setting of various functions

Items	Operation/Setting value range	Operator Terminal display
Registration and modification of the controller password	<p>Enter the password (8 digits) by the numeric keys. Fix it by the [Enter (Y)] key.</p> <div> <p>! NOTE !</p> <p>Be sure to register and save the modified password.</p> </div>	<div> <p>パスワード セット 1:カンリ</p> <p>[Enter (Y)]</p> <p>カンリ パスワード —</p> </div>
Registration and modification of the Login password	<p>Enter the password (8 digits) by the numeric keys. Fix it by the [Enter (Y)] key.</p> <p>This password is necessary when returning from the halt mode or when the power is turned on and the login operation (by settings) is performed.</p> <div> <p>! NOTE !</p> <p>Be sure to register and save the modified password.</p> </div>	<div> <p>ログイン セット 1:パスワード</p> <p>[Enter (Y)]</p> <p>カンリ パスワード —</p> </div>
Login setting	<p>Select either Invalid/Valid by the [▼] key or the [▲] key. Fix it by the [Enter (Y)] key.</p> <p>The setting determines if the login password is required when the power is turned ON.</p>	<div> <p>ログイン セット 2:セット</p> <p>[Enter (Y)]</p> <p>ログイン セット *ムコウ ユウコウ</p> </div>
Setting of shop number	<p>Enter the shop number (4 digits) by the numeric keys. Fix it by the [Enter (Y)] key.</p>	<div> <p>レシート セット 1:テンポ No.</p> <p>[Enter (Y)]</p> <p>テンポ No. 0000</p> </div>
Setting of terminal number	<p>Enter the terminal number (4 digits) by the numeric keys. Fix it by the [Enter (Y)] key.</p>	<div> <p>レシート セット 2:タンマツNo.</p> <p>[Enter (Y)]</p> <p>タンマツNo. 0000</p> </div>

Items	Operation/Setting value range	Operator Terminal display
Setting of shop name	<p>Enter the shop name (32 characters) by the numeric keys.</p> <p>Fix it by the [Enter \odot] key.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>! NOTE !</p> <p>It begins a new line by 16 characters. When printing over 2 lines, use the space to adjust balance.</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>レシート セットイ 3:テンポ°メイ</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>テンポ°メイ (1/8) 0000000000000000</p> </div>
Setting of shop telephone number	<p>Enter the telephone number (13 digits) by the numeric keys.</p> <p>Fix it by the [Enter \odot] key.</p> <p>*) [+] key : - (hyphen) [00] key : space</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>レシート セットイ 4:テンポ°Tel</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>テンポ°Tel No. —</p> </div>
Setting of receipt logo print	<p>Select either With/Without by the [▼] key or the [▲] key.</p> <p>Fix it by the [Enter \odot] key.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>ロゴ° セットイ 1:ロゴ°</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>ロゴ° インジ° *アリ ナシ</p> </div>
Setting of receipt issue	<p>Select either Manual/Auto for the receipt issue by the [▼] key or the [▲] key.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>インジ° セットイ 1:セイジ°ヨウ レシート</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>レシート セットイ シュト°ウ *ジ°ド°ウ</p> </div>
Setting of alarm receipt issue	<p>Select either With/Without for the alarm receipt issue by the [▼] key or the [▲] key.</p> <p>Fix it by the [Enter \odot] key.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>インジ° セットイ 2:アラームレシート</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>アラームレシート アリ *ナシ</p> </div>
Setting of number of receipt to be issued	<p>Enter the number of receipt to be issued by [1] to [3] key.</p> <p>Fix it by the [Enter \odot] key.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>レシート セットイ 7:レシート マイスウ</p> </div> <p>[Enter \odot]</p> <div style="border: 1px solid black; padding: 5px;"> <p>インジ° マイスウ マイスウ: 1 [1-3]</p> </div>

Items	Operation/Setting value range	Operator Terminal display
Setting of number of log receipt to be issued	Enter the number of log receipt to be issued by [1] to [3] key. Fix it by the [Enter (Y)] key.	<div>レシート セットイ 8:シメレシート マイスウ</div> <div>[Enter (Y)]</div> <div>シメ インジ マイスウ マイスウ: 1 [1-3]</div>
Setting of paper-out operation	Select either Enabled/Unabled for the paper-out operation by the [▼] key or the [▲] key. Fix it by the [Enter (Y)] key.	<div>レシート セットイ 9:ヨウシキレ ウンヨウ</div> <div>[Enter (Y)]</div> <div>ヨウシキレ ウンヨウ キョカ *キンシ</div>
Setting of shop advertising	Enter the shift JIS code (16 characters, 5 lines) in the same manner of "Setting of shop name".	<div>レシート セットイ 0:テンホ コウコク</div> <div>[Enter (Y)]</div> <div>テンホ コウコク (1/20) 0000000000000000</div>
Time setting	Enter the year, month, day, hour, minute, and second by the numeric keys. Fix it by the [Enter (Y)] key.	<div>04/12/17 15:25:09</div>
Printing of setting information	Start printing by the [Enter (Y)] key. *) Perform printing after "Function setting", and confirm the setting.	<div>キノウ セットイ 4:セットイ ジョウホウ</div>
Setting of balance confirmation display	Select either Manual/Auto of the balance confirmation display by the [▼] key or the [▲] key. Fix it by the [Enter (Y)] key.	<div>Purchasing カクニン セットイ シュトウ *ジトウ</div>
Setting of money amount allocation by Shortcut key	Select the number of numeric keys to allocate the money amount by the [▼] or the [▲] key. Enter the amount to allocate by the numeric keys. Fix it by the [Enter (Y)] key.	<div>ワンタッチ キンガク セットイ 1: -----▲</div> <div>↑ ↑ No. of Amount numeric keys</div>

“Printing example of setting information”

設定情報	
上位端末ID	24701010
2004 年 12月 09日 10:10:00	
機能設定(管理)	
店舗番号	9876
端末番号	1233
店舗名	〇〇〇信州店
店舗広告	
お買い上げありがとうございます。	
電話	0268-12-3456
ロゴ印字	有り
ポイントロゴ印字	有り
正常レシート	自動
アラームレシート	無し
レシート印字枚数	1枚
締めレシート印字枚数	1枚
用紙切れ運用	禁止
ログインパスワード	有効
残高照会	手動
ワンタッチ金額割付	
1:	105
2:	210
3:	300
4:	420
5:	500
6:	0
7:	0
8:	0
9:	0
UI音量	2
キー操作音	有り
係員表示部濃度	2
客側表示部濃度	2
待機表示	有り
モニタ版数	1.0.2
コア版数	1.0.3
CCU版数	01A0400

7.6 Halt Mode Operation

7.6-1 How to enter the halt mode

1

Press the [MENU] key.

Operator Terminal display

Operation mode
Input Total

MENU

▼

Reader/Writer attachment display

2

Press the [5: halt] [5] key from the main menu.

main menu
5:キョウシ ▲

5

Enter (Y)

maintenance

3

Press the [Enter (Y)] key to go into hibernation.

キョウシチュウ

maintenance

7.6-2 How to release the halt mode

1

Press the [MENU] key.

Operator Terminal display

キョウシチュウ

MENU

2

Login password input display appears.
Enter the login password (4 to 8 digits) by the numeric keys, and press the [Enter (Y)] key.

ログイン パスワード
—

numeric keypad

Enter (Y)

main menu
1:report/reprint

3

Main menu is displayed.
Press the [Cancel (N)] key to return to the standby state.

Cancel (N)

Operation mode
Input Total

8. Maintenance

8.1 Cleaning of Printer

Before cleaning the printer, be sure to turn off the instrument power.

When cleaning, take the measure for static electricity (earth bands, etc).

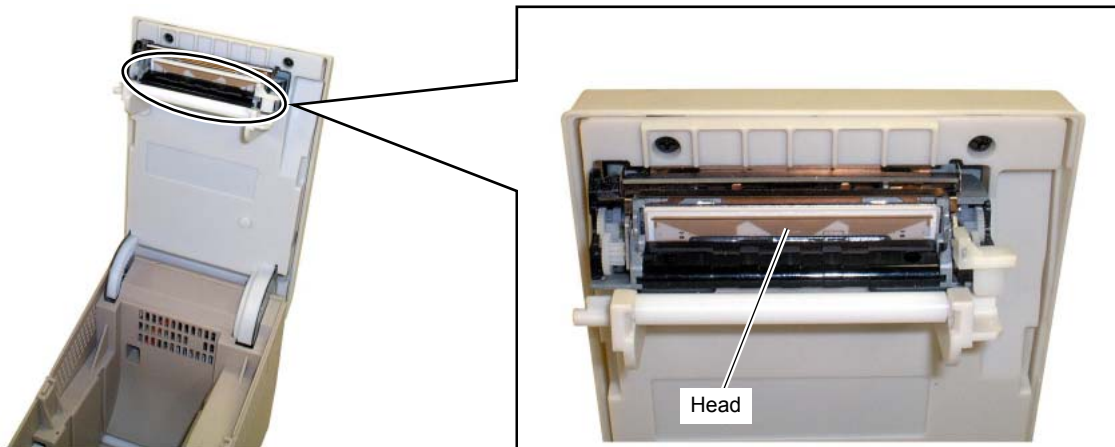
8.1-1 Cleaning the printer head

1

Open the top printer cover by pushing the printer door button.

2

Wipe the head with a cotton ball soaked in ethyl alcohol.



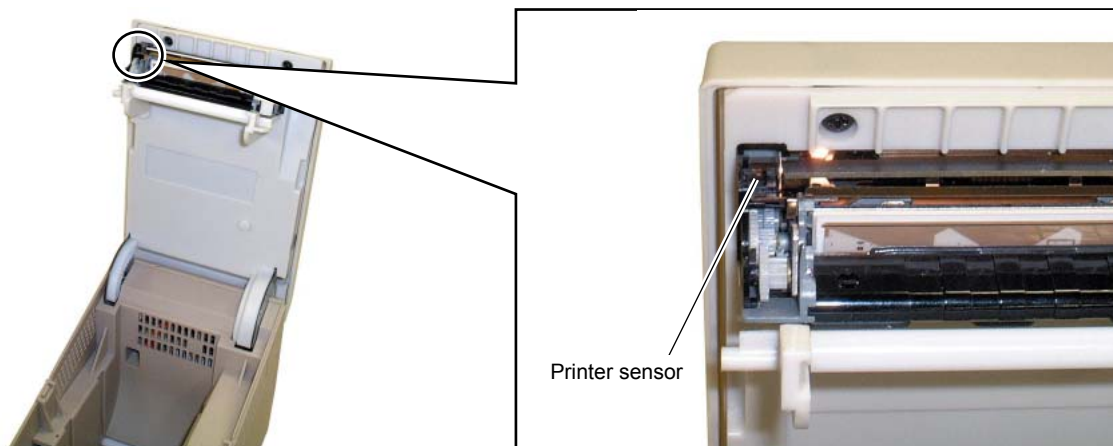
CAUTION

Do not move unit the alcohol on the head is dried. Otherwise, failure or malfunction may be caused.

8.1-2 Cleaning the printer sensor

1

Gently wipe the sensor with a cotton ball soaked in ethyl alcohol.



CAUTION

Do not move unit the alcohol on the sensor is dried. Otherwise, failure or malfunction may be caused.

8.2 Cleaning of Main Unit

Wipe the outside of the equipment with a cloth soaked in water.

Do not use alcohol, etc.

9. Equipment Diagnosis

9.1 Status Check

Check if the following message is displayed on the Operator Terminal display. If displayed, take the following measures.

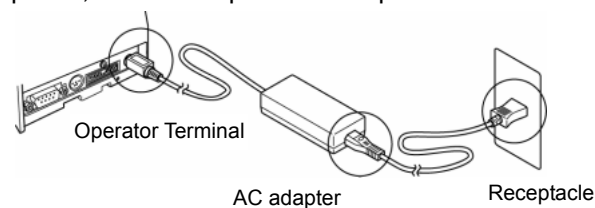
Display	Measures
<div>ロケフルデス シメヲ オコナツテクダサイ</div>	Perform closing procedure, referring to Item 5.3.
<div>Operation mode カハ-ヲ トジ テクダサイ</div>	Open or close the display operating unit, referring to Item 4.2.
<div>Operation mode アケ・シメ シテクダサイ</div>	
<div>Operation mode ヨウシギ レデス</div>	Replace the printer paper, referring to Item 4.2.

9.2 Failure Diagnosis

9.2-1 Power will not turn on

The equipment does not turn on even when the power switch is ON.

⇒ Check if the power cord is connected to the receptacle, the AC adapter or the Operator Terminal.



9.2-2 Sound guidance cannot be heard

The volume control is low.

⇒ Adjust the sound volume (see Item 7.2).

9.2-3 No response is made even a card is touched.

A cable may be detached between the Operator Terminal and the Reader/Writer Attachment.

⇒ Check if the connector part is fully inserted (see Item 3.1).

10. Error Remedy

Check the error code by the following procedure, and apply the remedies according to the error code table on the next page.

10.1 Check of error code on display

1

Error code is displayed on the Operator Terminal display.

*) Press the "Print" key while error code is displayed, and the error contents will be printed.

Operator Terminal
display

Operation mode
error code :61

*** エラーコード印字 ***	
上位端末 I D	01234567
2004 年 12 月 09 日 16 : 23 : 07	

Err. 61	Err. 73

10.2 Error Code Table

Error code display	Error contents	Troubleshooting
Err.43	Printer error	(1) Turn on power supply again. (2) Contact Technical Support by calling if the power does not recover.
Err.45	Modem error	(1) Turn on power supply again. (2) Contact Technical Support by calling if the power does not recover.
Err.51	Memory error	(1) Contact Technical Support by calling.
Err.56	RTC error	(1) Contact Technical Support by calling.
Err.61	Error founded by Module device diagnosis	(1) Check if the AC cable is connected. (2) Contact Technical Support by calling.
Err.62	Module communication error	(1) Turn on power supply again. (2) Contact Technical Support by calling if the power does not recover.
Err.63	Module mutual authentication error	(1) Check if time is properly set. (2) Contact Technical Support by calling.
Err.64	Module blockage	(1) Contact Technical Support by calling.
Err.65	Module log full	(1) Perform closing (2) Contact Technical Support by calling if the power does not recover.
Err.73	Service and guide section failure	(1) Check if the AC cable is connected. (2) Contact Technical Support by calling.
Err.81	Detail log full	(1) Perform closing (2) Contact Technical Support by calling if the power does not recover.
Err.91	Failure to first communication	(1) Contact Technical Support by calling if the power does not recover.

11. Terminal specification

11.1 General Specification

- | | |
|--------------------------|---|
| (1) Corresponding card | Card |
| (2) Terminal composition | Reader/Writer attachment
Operator Terminal |
| (3) Size | Reader/Writer attachment : 90(W) x 53(H) x 113(D) mm
Operator Terminal : 106(W) x 150(H) x 175(D) mm |
| (4) Weight | Reader/Writer section : 350g
Operation terminal : 1.5kg |
| (5) Power supply | AC adapter |
| (6) Power consumption | 50W or less (30W or less in stand-by mode) |
| (7) Operating conditions | Temperature : 32 – 104 F
Humidity : 30 – 80%RH |
| (8) Installation method | To be used indoors and on a level horizontal surface ONLY |

11.2 Hardware Specification

11.2-1 Reader/Writer attachment

- | | |
|-------------|-------------------------------------|
| (1) Display | 1) Vacuum Fluorescent Display (VFD) |
| | 2) Alphabet and numeric |
| | 3) 2 lines x 16 characters |

11.2-2 Operator Terminal

- | | |
|----------------------|---|
| (1) Operating switch | 1) Power switch |
| | 2) Numeric keys: 0 to 9, 00 |
| | 3) Function keys: [Shortcut], [Sub total], [Send log], [▲], [MENU], [Balance],
[Print], [Repeat▼], [Cancel Ⓝ], [Clear], [+], [Enter Ⓨ] |

- | | |
|-------------|---------------------------|
| (2) Display | 1) LCD |
| | 2) Alphabet and numeric |
| | 3) 2 line x 16 characters |

- | | |
|-------------|---|
| (3) Printer | 1) Print method : Thermal type |
| | 2) Paper cutting : Auto cutting |
| | 3) Printer paper : size 58mm(W)
80mm(Diameter) |

*) FeliCa is a registered trademark of Sony Corporation.

12. Useful Functions

After “Main menu” is displayed, enter the code by the numeric keys to move to the functions to be used.

Code	Display	Functions
111	<div> シュウケイ シュウリョウ </div>	Summary print of previous closing to date
112	<div> メイサイ ショリチュウ </div>	Detail print of previous closing to date
121	<div> sum : past 1 04/12/07 19:39 </div>	Summary print of past closing
122	<div> detail : past 1 04/12/07 19:39 </div>	Detail print of past closing
131	<div> カイシ 00/00/00 シュウリョウ 04/12/09 </div>	Summary print of specified period
132	<div> カイシ 00/00/00 シュウリョウ 04/12/09 </div>	Detail print of specified period
14	<div> サインジ : 1ケンマエ 1234567890123450 </div>	Receipt reprint
311	<div> スピーカー オンリョウ オンリョウ: 2 [1-3] </div>	Speaker volume setting
312	<div> キー ソウサオン *アリ ナシ </div>	Key operation sound setting
313	<div> カカリイン ヒョウジ ノウト 2 [1-3] </div>	Contrasting density setting of Operator Terminal display
314	<div> キヤク ヒョウジ ノウト 2 [1-3] </div>	Brightness setting of Reader/Writer attachment display
32	<div> カンリ パ スワート = </div>	Controller password input display
5	<div> キュウシチュウ </div>	Halt status

