

# NEC

**NEC**  
**RSenCounter 4000**

**Reference Manual**

Part No. 2350REF01

August 2001

---

<b>S-Mode</b> .....	<b>1</b>
<b>S-Mode Menu Structure</b> .....	<b>1</b>
S-MODE MENU STRUCTURE .....	1
STATION NUMBER ASSIGNMENT [S1] .....	1
SYSTEM CONFIGURATION [S2] .....	1
SYSTEM WIDE FEATURES [S2-1] .....	1
STATION GROUP [S2-2] .....	3
STATION 1 [S2-2-1] .....	3
STATION REGISTRATION [S2-3] .....	4
STATION 1 [S2-3-1] .....	4
MASTER AND BACK UP ASSIGNMENT [S2-4] .....	5
EDIT MEMORY ALLOCATION TABLE [S3] .....	6
COMMON CONFIGURATION [S3-1] .....	6
SYSTEM MASTER [S3-2] .....	9
TRACKING MASTER [S3-3] .....	9
LOCAL STATION [S3-4] .....	10
KEY ASSIGNMENT [S4] .....	11
KEY BOARD LEVEL 1 SELECTED [S4-1] .....	11
KEYBOARD LEVEL PROGRAMMING [S4-1-1] .....	12
DOWNLOAD PROGRAMS [S5] .....	13
SYSTEM SOFTWARE [S5-1] .....	13
SYSTEM SOFTWARE-BY STATION GROUP [S5-1-2] .....	14
SYSTEM SOFTWARE-BY RANGE [S5-1-3] .....	14
INSTALLATION PROCEDURE .....	14
RUN THE SYSTEM TEST SOFTWARE .....	14
INITIALIZATION [S6] .....	15
CLEAR RAM AND INSTALL DEFAULT PROGRAM [S6-1] .....	15
CLEAR TOTAL AND COUNTERS [S6-2] .....	15
[S6-3] to [S6-9] .....	15
INSTALL DEFAULT MESSAGES [S6-10] .....	15
ALL MESSAGES [S6-10-1] .....	16
SCREEN SYSTEM DESCRIPTOR [S6-10-2] .....	16
RECEIPT/CHECK SYSTEM DESCRIPTOR [S6-10-5] .....	16
RECEIPT/CHECK HEADER AND FOOTER [S6-10-6] .....	16
CREDIT CARD AGREEMENT MESSAGE (CHARGE) [S6-10-7] .....	16
CREDIT CARD AGREEMENT MESSAGE (CREDIT) [S6-10-8] .....	16
GUEST CHECK TRAIL MESSAGE [S6-10-9] .....	16
KITCHEN PRINTER MESSAGE [S6-10-10] .....	16
REPORT MESSAGE [S6-10-11] .....	16
INSTALL DEFAULT FUNCTION KEYS [S6-11] .....	16
INSTALL DEFAULT KEYBOARD [S6-12] .....	16
SYSTEM PASSWORD [S7] .....	17
SYSTEM TEST [S8] .....	17

# Table of Contents

---

<b>P-MODE .....</b>	<b>19</b>
<b>P-MODE MENU STRUCTURE .....</b>	<b>19</b>
P-MODE MENU STRUCTURE .....	19
EDIT SYSTEM CONFIGURATION [P1] .....	19
SYSTEM WIDE FEATURES [P1-1] .....	19
STATION GROUP [P1-2] .....	21
STATION 1 [P1-2-1] .....	21
STATION REGISTRATION [P1-3] .....	21
STATION 1 [P1-3-1] .....	22
MASTER AND BACK UP ASSIGNMENT [P1-4] .....	23
DOWNLOAD SYSTEM CONFIGURATION [P1-5] .....	23
REPORT GROUPS AND TIME PERIODS [P2] .....	24
MAJOR GROUP [P2-1] .....	24
MAJOR GROUP RECORD [P2-1-1] .....	24
SUB GROUP [P2-2] .....	25
SUB GROUP [P2-2-1] .....	25
PRODUCT MIX GROUP [P2-3] .....	26
PRODUCT MIX GROUP [P2-3-1] .....	26
TIME PERIODS AUTO CONFIGURATION [P2-4] .....	27
TIME PERIOD BY MANUAL CONFIGURATION [P2-5] .....	27
TAXES [P3] .....	28
TAX CONFIGURATION [P3-1] .....	28
TAX 1 [P3-1-1] .....	28
TAX TABLE PROGRAMMING [P3-2] .....	29
TAX TABLE PROGRAMMING [P3-2-1] .....	29
TAX OPTION [P3-3] .....	30
SYSTEM OPTION [P4] .....	31
GLOBAL OPTION [P4-1] .....	31
TRANSACTION OPTION [P4-2] .....	33
TABLE SERVICE OPTION [P4-3] .....	34
DRAWER AND TENDER OPTION [P4-4] .....	35
PRINT FORMAT AND OPTION [P4-5] .....	36
RECEIPT OPTION [P4-5-1] .....	36
RECEIPT FORMAT [P4-5-2] .....	36
KITCHEN REQUISITION [P4-5-3] .....	37
REPORT [P4-5-4] .....	39
TRANSACTION LOG [P4-5-5] .....	40
SYSTEM LOG [P4-5-6] .....	41
KEY STROKE HISTORY [P4-5-7] .....	42
CTS (CLOSED TRANSACTION SUMMARY) [P4-5-8] .....	42
CLOSING OPTION [P4-6] .....	43
DISPLAY OPTION [P4-7] .....	44
SCREEN CONFIGURATION [P4-8] .....	44
ORDER/CHECK INFORMATION LINE (Line 1) [P4-8-1] .....	44
ITEM LINE (Line 2-17) [P4-8-2] .....	45
ACTION LINE (Line 19) [P4-8-3] .....	45
SERVICE INFORMATION LINE [P4-8-4] .....	46
STATUS LINE [P4-8-5] .....	46
TENDER INFORMATION (Line 17) [P4-8-6] .....	46

## Table of Contents

---

PLU PROGRAMMING [P5]	47
PLU [P5-1]	47
CREATE OR EDIT PLU [P5-1-1]	47
CREATE PLU BY RANGE [P5-1-2]	50
DELETE PLU [P5-1-3]	50
DELETE PLU BY RANGE [P5-1-4]	52
PLU ACCESS FROM KEYBOARD [P5-1-5]	52
PLU ACCESS FROM PLU LIST [P5-1-6]	53
EDIT OPTIONAL PLU RECEIPT DESCRIPTOR [P5-1-7]	54
EDIT KP/KVS DESCRIPTOR [P5-1-8]	54
EDIT KP/KVS DESCRIPTOR [P5-1-8-1]	55
MENU KEY RELOCATION [P5-1-9]	55
PLU PROPERTY [P5-2]	58
PLU [P5-2-1]	58
PLU SHIFT [P5-3]	60
PLU SHIFT [P5-3-1]	61
PLU PRICE EDIT [P5-4]	61
PRICE EDIT [P5-4-1]	62
PLU PRICE TABLE [P5-5]	62
PRICE TABLE [P5-5-1]	63
PLU PRICE LEVEL SCHEDULER [P5-6]	63
CONDIMENT TABLE [P5-7]	64
CONDIMENT TABLE [P5-7-1]	64
CONDIMENT CHAIN [P5-8]	66
CONDIMENT CHAIN [P5-8-2]	66
LINKED PLU TABLE [P5-9]	67
LINKED PLU TABLE (LPT) [P5-9-2]	67
DISCOUNT CATEGORY [P5-10]	68
DISCOUNT CATEGORY [P5-10-1]	68
PRINT PLU BY TBL, PRICE LIST, PRICE SCHEDULER [P5-11]	69
DOWNLOAD [P5-13]	72
INVENTORY [P6]	73
SPECIAL ITEM STOCK [P6-1-2]	73
MESSAGES [P7]	74
FIXED SCREEN MESSAGE ON ACTION LINE	74
SCREEN MESSAGE [P7-2]	74
SCREEN MESSAGE (SHORT) [P7-2-1]	74
SCREEN MESSAGE (LONG) [P7-2-2]	80
DEFAULT SYSTEM COLOR [P7-2-4]	89
RECEIPT/GUEST CHECK MESSAGE [P7-3]	89
RECEIPT/GUEST CHECK HEADER AND FOOTER [P7-3-1]	90
RECEIPT/GUEST CHECK SYSTEM MESSAGE [P7-3-2]	90
CREDIT CARD AGREEMENT MESSAGE (CHARGE) [P7-3-3]	95
CREDIT CARD AGREEMENT MESSAGE (CREDIT) [P7-3-4]	95
GUEST CHECK TRAIL MESSAGE [P7-3-5]	96
KITCHEN PRINTER MESSAGE [P7-4]	97
KITCHEN PRINTER MESSAGE [P7-4-1]	97
KP GROUP DESCRIPTOR [P7-4-2]	98
REPORT MESSAGE [P7-5]	99
REPORT MESSAGE [P7-5-1]	99

## Table of Contents

---

MONTH AND DAY MESSAGE [P7-6] .....	107
MONTH AND DAY MESSAGE [P7-6-1] .....	107
KEYBOARD SYSTEM [P8] .....	110
EDIT FUNCTION KEY FROM KEYBOARD [P8-1] .....	110
EDIT FUNCTION KEY FROM KEYBOARD [P8-1-1] .....	110
EDIT FUNCTION KEY FROM A LIST [P8-2] .....	111
EDIT FUNCTION KEY FROM A LIST [P8-2-1] .....	111
EDIT MACRO KEY [P8-3] .....	111
MACRO KEY EDIT [P8-3-2] .....	112
TIME ACTIVATE KEY [P8-4] .....	113
TIME ACTIVATE KEY [P8-4-1] .....	114
TLU KEY PROGRAMMING [P8-5] .....	114
TLU KEY PROGRAMMING [P8-5-1] .....	115
MLU KEY PROGRAMMING [P8-6] .....	115
MLU KEY PROGRAMMING [P8-6-1] .....	116
COUPON AND AUTO-COMBO [P9] .....	117
COUPON AND AUTO-COMBO OPTION [P9-1] .....	117
COUPON [P9-2] .....	118
COUPON [P9-2-1] .....	118
AUTO COMBO PROGRAMMING [P9-3] .....	122
AUTO COMBO PROGRAMMING [P9-3-1] .....	122
HUMAN RESOURCES [P10] .....	124
EMPLOYEE FILE [P10-1] .....	124
EMPLOYEE FILE [P10-1-1/999] .....	125
TIME & ATTENDANCE [P10-2] .....	126
GLOBAL OPTIONS [P10-2-1] .....	126
HOLIDAY PAY PROGRAMMING [P10-2-2] .....	127
JOB CODE TABLE [P10-3] .....	128
JOB CODE TABLE [P10-3-1] .....	129
PAY RATE TABLE [P10-4] .....	129
PAY RATE TABLE [P10-4-1/60] .....	130
AUTHORITY LEVEL [P10-5] .....	130
PRINT EMPLOYEE LIST [P10-6] .....	137
PERIPHERALS [P11] .....	137
CREATE/EDIT PRINTER LIST (1-30) [P11-1] .....	137
CREATE/EDIT PRINTER LIST [P11-1-1] .....	137
RECEIPT/REPORT/LOG PRINTER ASSIGNMENT [P11-2] .....	137
RECEIPT/REPORT/LOG PRINTER ASSIGNMENT [P11-2-1] .....	138
CREATE/EDIT KITCHEN PRINTER TABLE [P11-3] .....	139
KP TABLE [P11-3-1] .....	140
KP TABLE ASSIGNMENT TO KP LEVEL [P11-4] .....	141
KP TABLE ASSIGNMENT TO KP LEVEL [P11-4-1] .....	142
KVS PROGRAMMING [P11-5] .....	142
SCALE [P11-6] .....	143
SCALE [P11-6-1] .....	143
TARE WEIGHT TABLE [P11-6-2] .....	144
CREDIT CARD INTERFACE [P11-7] .....	144
CREDIT CARD INTERFACE (P11-7-1) .....	145
CREDIT CARD MODEM LIST [P11-7-2] .....	145
CREDIT CARD MODEM ASSIGNMENT [P11-7-3] .....	146

## Table of Contents

---

CREDIT CARD TYPE CONFIGURATION [P11-7-4]	146
TERMINAL MODE [P11-7-5]	147
SCANNER [P11-8]	148
SCANNER INTERFACE [P11-8-1]	148
EAN13 INF. EMBEDDED BAR CODE [P11-8-2]	149
OTHER PERIPHERAL CONFIGURATIONS [P11-15]	149
POLLING MODEM CONNECTION [P11-15-1]	149
USER CARD DEFINITION [P11-15-2]	150
EMPLOYEE CARD CONFIGURATION [P11-15-3]	150
DOWNLOAD LOGO TO TM-T88 [P11-15-6]	151
POLE DISPLAY [P11-15-7]	152
DRIVE THRU ORDER CONFIRMATION BOARD (OCB) [P11-15-8]	152
PRINT A LIST BY STATION [P11-16]	154
PRINT A LIST BY PERIPHERAL [P11-17]	155
RS-232 WIRING DIAGRAMS	157
TRAINING [P12]	158
TRANSACTION OPTION [P12-1]	158
REPORT OPTION [P12-2]	158
PRINTING OPTION [P12-3]	158
UTILITY [P13]	159
DOWNLOAD PROGRAM [P13-1] OR AFTER [P12-1-2]	159
DOWNLOAD APPLICATION PROGRAMS-All [P13-1-1]	159
DOWNLOAD APPLICATION PROGRAMS BY STATION GROUP [P13-1-2] / [P12-3]	159
DOWNLOAD APPLICATION PROGRAMS BY STATION NUMBER [P13-1-1-3] / [P12-3]	159
Z1 AND PRE-POLL Z1 STRINGS [P13-2]	160
Z1 & PRE-POLL Z1 STRINGS # 1 [P13-2-1]	160
Z2 AND PRE-POLL Z2 STRINGS [P13-3]	162
Z2 & PRE-POLL Z2 STRINGS # 1 [P13-3-1]	163
PROGRAM PRINT [P13-4]	165
SYSTEM CONFIGURATION [P13-4-1]	165
REPORT GROUPS AND TIME PERIOD [P13-4-2]	165
TAXES [P13-4-3]	167
SYSTEM OPTION [P13-4-4]	168
PLU [P13-4-5]	169
INVENTORY [P13-4-6]	171
MESSAGES [P13-4-7]	171
KEYBOARD SYSTEM [P13-4-8]	173
COUPON AND AUTO-COMBO [P13-4-9]	174
HUMAN RESOURCES [P13-4-10]	175
PERIPHERALS [P13-4-11]	176
TRAINING [P13-4-12]	177
Z & PRE-POLL STRINGS [P13-4-13]	177

This is a “Table of Contents preview” for quality assurance

The full manual can be found at <http://the-checkout-tech.com/estore/catalog/>

We also offer free downloads, a free keyboard layout designer, cable diagrams, free help and support.

<http://the-checkout-tech.com> : *the biggest supplier of cash register and scale manuals on the net*