SSP Manager's Modes

Mode	Description	Settings
01	Address	Set the address
02	Real Time Clock	Diagnostics – Used to track audit events
03	Audit Trail Report	Diagnostics – Used to print date and time of audit events
04	Card Reader Diagnostics	Diagnostics – Test the card reader.
05	Printer Diagnostics	Diagnostics – Test the printer.
06	Keypad Diagnostics	Diagnostics – Test the keypad including left and right soft keys.
07	Peripheral Power Resets	Diagnostics – Counts the card reader, EPP, and printer resets.
08	Software Version	Diagnostics – Software version display.
09	Software Restart	Diagnostics – Restarts the software.
10	Maximum Queues	Diagnostics – Displays the maximum queues. **Note:** For diagnostic and development only.
11	Debit Key Injection Diagnostics	Diagnostics – Tests and verifies PIN pad encryption.
13	Keypad Type	Set the type of keypad. (EPP, 5x8, 4x4)
12	Receipt Length	Programming – Set the length of receipts.
14	Receipt Delay	Programming – Delays receipt data.
19	Display Configuration and Diagnostics	Programming – Used to configure and run diagnostics. **Note**: Do not use unless instructed to do so by technical services.
91	SCR Idle Poll Time	Programming – Set SCR idle poll time to minimize communication collisions.
92	SCR Card Inserted Poll Time	Programming – Set SCR card inserted poll time to minimize communication collisions.
96	Communication Performance	Diagnostics – Displays the percentage of communication from the SSP to POS
97	EPP Timing	Programming - Synchronizes pin entry prompt with PIN pad activation.

Dispenser Quick Programming

Menu Code No.	Initial Setup
03	Managers Access Code
99	Unit of Measurement
07	Pump Type
04	Pricing – For each hose and one or two tier pricing.
09	No Flow Time Out
11	Volume Allocation for a sale at a pump
21	Stand Alone or Console Mode
28	Rounding or Truncating the Sale Amount

Bennett Distributor's Quick Reference Guide

Pacific Series, Horizon 2, and 4000 Series

Please read the following notes before dispenser programming and troubleshooting.

Dispenser Notes:

- Access Manager's Mode from Side 1 ONLY!
- Modes 04 and 11 will be overwritten by the Point of Sale.
- A RAM Clear (Mode 49) will reset Prices, Totals, and the Access Code (Mode 03).
- Modes 01, 02, 04, 05, 21, and 22 are programmed for each side of the dispenser.
- Make sure all nozzles are hung up.
- All errors can be reset by removing and replacing a nozzle or by entering and exiting Manager's Mode.
- For technical support, contact Bennett's Technical Support Group at: (800-423-6638).
- View history of errors in Diagnostic Mode 02. RAM Clear will zero the history.
- In order for the dispenser to operate properly when quick programming, the initial setup programming sequence must be followed and Mode 27 may have to be programmed before testing any dispenser operations. If not, the dispenser may not operate properly because of default settings or no data programmed.

SSP Notes:

- Using the right soft keys enter code "122114" to enter into Manager's Mode. **Note**: "1" is the top soft key and "4" is the bottom soft key.
- Make sure to test both magnetic strips while in Mode 04 (Card Reader Test).
- If the location is experiencing frequent paper jams, adjust the receipt length in Mode 12 (Receipt Length).

Contact Us

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Manager's Modes

Menu Code	Description	Settings
00	Diagnostics	Diagnostic Tests (view only) 0 – Type, Software Release Number, 819 Software ID Number, 619 Software ID Number 01 – Display Segment Test 02 – Error History 03 – CPU Test (Error 99) 04 – RAM Test 05 – Pump Handle Test 06 – Counters 07 – Keyboard/Switch/Beeper Test 08 – Last Sale Limit Type 09 – 619IOB Loop Back
01	Hose Totals	Reading Money, Volume, Number of Sales, Number of Price Changes
02	Totalizer Totals	View totals entered in Mode 05.
03	Manager Access	Enter 4-digit access code.
04	Pricing	Enter price per volume.
05	Totalizer Value	Enter the value for each meter.
06	Programming	Review and change modes 07-49.
07	Pump Type	Program to set the number of sides, grades, hoses, tiers, blender type, blender ratio, and blender error.
08	Decimal Location	Change decimal placement.
09	No Flow Time Out	Set a time for the dispenser to turn off after flow stops.
10	Slow Flow Amount	Control the slowdown limit of a prepay sale.
11	Volume Allocation	Control maximum volume of a single sale.
12	Pre-Charge Time	Set the submerged pump pre-charge time.
13	Beeper	Set beeper tone.
14	Price display	Set the way price displays operate.
15	Fleet Option	Fleet system interface compatibility.
18	Money Totals	Set the money totals calculation method.
21	Communication Type	Set the dispenser in stand-alone or console modes.
22	Dispenser Address	Set the dispenser address.
23	Push-to-Start	Turn the push-to-start button on or off.
26	Shift Totals	Reset shift totals.
27	Electronic Calibration	Electronically calibrate meters.
28	Rounding	Set rounding or truncating the sale amount.
29	Resettable Totals	Reset the resettable totals to zero.
30	Real Time Clock	Enter the real time clock.
49	RAM Clear	Perform a RAM clear.
80	Cycle Valves	Manually trigger the solenoid valves.
99	Unit of Measure	Set Gallons, Liters, or British Imperial. 1000th or 100th Volume Displayed. E-Cal Value (view only)

Error Codes

Error Code	Error Text	Description
00	NO ERR	No Error
02	DATA	Ram Error
05	REVFLO	Reverse Pulser – Inactive Pulser Turning Forward or Backwards
13	PLSRAS	Pulser A Error Same State Transition Limit Exceeded
14	PLSRAN	Pulser A Next State Transition Limit Exceeded
15	PLSRAR	Pulser A Reverse Flow
16	PLSRAD	Pulser A Lead Channel Failed
17	PLSRAG	Pulser A Lag Channel Failed
23	PLSRBS	Pulser B Same State Transition Limit Exceeded
24	PLSRBN	Pulser B Next State Transition Limit Exceeded
25	PLSRBR	Pulser B Reverse Flow
26	PLSRBD	Pulser B Lead Channel Failed
27	PLSRBG	Pulser B Lag Channel Failed
33	PLSRCS	Pulser C Same State Transition Limit Exceeded
34	PLSRCN	Pulser C Next State Transition Limit Exceeded
35	PLSRCR	Pulser C Reverse Flow
36	PLSRCD	Pulser C Lead Channel Failed
37	PLSRCG	Pulser C Lag Channel Failed
43	PLSRDS	Pulser D Same State Transition Limit Exceeded
44	PLSRDN	Pulser D Next State Transition Limit Exceeded
45	PLSRDR	Pulser D Reverse Flow
46	PLSRDD	Pulser D Lead Channel Failed
47	PLSRDG	Pulser D Lag Channel Failed
51	LOPRDA	Grade A Low
52	LOPRDB	Grade B Low
59	BLEND	Blend ratios sent from console does not match the dispenser ratio.
60	POSTAL	Mailbox has exceeded its message limits.
70	NOECAL	Not Calibrated or Bad Checksum
71	RANGE	E-Cal Constant Out of Range Error
72	VINTER	Vapor Vacuum – Interlock Error
73	ETOTAL	One or more electromechanical totalizer output counters are corrupted.
74	UNSEAL	E-Cal Switch is in unsealed position and a normal sale started.
75	VSIDE1	Vapor Vacuum – Side 1 Error – Fast Flow or Over Current
76	VSIDE2	Vapor Vacuum – Side 2 Error – Fast Flow or Over Current
83	PLSRDC	Pulser Disconnected
93	PLSRCC	Pulser Circuitry Error
94	619DCN	Lower I/O is Not Responding
99	GENERL	CPU Failure – Addition Error
d5	DOORSS	Door is open sensor (DS)