

Appendix A.

Memory Locations

Functional Listing of Memory Locations

The following is a functional listing of the TRANZ 330 terminal memory locations. A numeric listing of these memory locations follows.

Terminal Parameters

| Memory Location | Description |
|-----------------|--|
| 000 | Download Phone Number |
| 001 | Serial Number |
| 004 | Program Date |
| 005 | Transaction Sequence Number |
| 006 | Scroll Length Flag |
| 007 | Multiple Transaction Timeout |
| 008 | Reserved |
| 009 | Terminal Key Beep |
| 010 | Dial Type Flag |
| 011 | Dial Speed Flag |
| 012 | Parallel Phone Available Flag |
| 013 | Number of Attempts |
| 014 | Telephone Line Test |
| 950 | Printer Type Flag |
| 951 | Number of Line Feeds for Printer 200 |
| 958 | Bell/CCITT (CCITT units only) |
| 960 | Dial-up Line Upload/Download Speed |
| 965 | Auto Answer Speed |
| 966 | Auto Answer Processing |
| 967 | Auto Answer Packet Inactivity Timeout |
| 970 | Pin Pad/Bar Code Wand Port Function |
| 975 | Line recovery Time |
| 985 | Host # for Card Initiated Transactions |
| 986 | Host # for Bar Code Initiated Transactions |

Buffers

| Memory Location | Description |
|-----------------|-------------------------|
| 002 | Transmit Buffer |
| 003 | Receive Buffer |
| 018 | Error Statistics Buffer |

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| Miscellaneous | Memory Location | Description |
|---------------|-----------------|------------------------------------|
| | 019 | Application ID |
| | 030 | Idle Prompt |
| | 037 | Out of Memory Control String |
| | 990 | Communication Error Control String |

| Login Strings and Function Key Control Strings | Memory Location | Description |
|--|-----------------|-----------------|
| | 020 | Login String #0 |
| | 021 | Login String #1 |
| | 022 | Login String #2 |
| | 023 | Login String #3 |
| | 024 | Login String #4 |
| | 025 | Login String #5 |
| | 026 | Login String #6 |
| | 027 | Login String #7 |
| | 028 | Login String #8 |
| | 029 | Login String #9 |
| | 031 | Function Key #1 |
| | 032 | Function Key #2 |
| | 033 | Function Key #3 |
| | 034 | Function Key #4 |
| | 035 | Function Key #5 |
| | 036 | Function Key #6 |
| | 039 | Function Key #9 |

| General Records | Memory Location |
|-----------------|-----------------|
| | 040-099 |
| | 113-199 |
| | 213-299 |
| | 313-399 |
| | 413-499 |
| | 513-599 |
| | 613-699 |
| | 713-799 |
| | 813-899 |
| | 913-949 |

| Idle Loop | Memory Location | Description |
|-----------|-----------------|--|
| | 981 | Idle Loop Control String |
| | 982 | Idle Loop Phone Number |
| | 983 | Idle Loop Response Analysis Control String |
| | 984 | Idle Loop Inactivity Timeout |

Appendix A: Memory Locations

Auto Answer

| Memory Location | Description |
|-----------------|---------------------------------------|
| 038 | Auto Answer Control String |
| 965 | Auto Answer Speed |
| 966 | Auto Answer Processing |
| 967 | Auto Answer Packet Inactivity Timeout |

Printer Information

| Memory Location | Description |
|-----------------|--------------------------------------|
| 950 | Printer Type Flag |
| 951 | Number of Roll Printer Line Feeds |
| 952 | Baud for Generic Roll Printer |
| 953 | Data Format for Generic Roll Printer |
| 954 | Handshake for Generic Roll Printer |

Host Parameters

| Parameter <i>Transaction Key</i> | Memory Location | | | | | | | | |
|-------------------------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 |
| Primary Phone Number | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| Secondary Phone Number | 101 | 201 | 301 | 401 | 501 | 601 | 701 | 801 | 901 |
| Call Center Phone Number | 102 | 202 | 302 | 402 | 502 | 602 | 702 | 802 | 902 |
| Referral Phone Number | 103 | 203 | 303 | 403 | 503 | 603 | 703 | 803 | 903 |
| Merchant/Terminal ID | 104 | 204 | 304 | 404 | 504 | 604 | 704 | 804 | 904 |
| Message Format Flag | 105 | 205 | 305 | 405 | 505 | 605 | 705 | 805 | 905 |
| Fraud Control Flag | 106 | 206 | 306 | 406 | 506 | 606 | 706 | 806 | 906 |
| Transaction Control String | 107 | 207 | 307 | 407 | 507 | 607 | 707 | 807 | 907 |
| Transaction Type Prompt | 108 | 208 | 308 | 408 | 508 | 608 | 708 | 808 | 908 |
| Floor Limit | 109 | 209 | 309 | 409 | 509 | 609 | 709 | 809 | 909 |
| Respse Analysis Control String | 110 | 210 | 310 | 410 | 510 | 610 | 710 | 810 | 910 |
| Auxiliary Control String | 111 | 211 | 311 | 411 | 511 | 611 | 711 | 811 | 911 |
| Multiple Trans Group Code | 112 | 212 | 312 | 412 | 512 | 612 | 712 | 812 | 912 |

Numeric Listing of Memory Locations

In addition to the memory location number and description, this numeric listing also includes the character type and the field lengths for the TRANZ 330 memory locations.

The character type indicates which characters are permitted in these memory locations. "X" represents alphanumeric characters which include the letters A through Z, the numerals 0 through 9, and special characters * , ' " - # and (space). "9" represents the numeric characters 0 through 9.

The field length indicates the maximum number of characters that can be stored in the memory location.

Sections 6 and 7 provide detailed information on the memory locations used with the TRANZ 330 standard application.

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| Memory Location | Character Type | Field Length | Description |
|-----------------|----------------|--------------|--------------------------------------|
| 000 | X | 20 | Download Phone Number |
| 001 | X | 10 | Serial Number |
| 002 | -- | -- | Transmit Buffer |
| 003 | -- | -- | Receive Buffer |
| 004 | 9 | 6 | Program Date |
| 005 | 9 | 4 | Message Sequence Number |
| 006 | 9 | 2 | Number of Characters to Scroll |
| 007 | 9 | 1 | Multiple Transaction Timeout |
| 008 | 9 | 5 | Reserved |
| 009 | 9 | 1 | Beeper On/Off |
| 010 | 9 | 1 | Dial Type Flag (Tone/Pulse) |
| 011 | 9 | 1 | Dial Speed Flag |
| 012 | 9 | 1 | Parallel Phone Available Flag |
| 013 | 9 | 1 | Number of Retries |
| 014 | 9 | 1 | Line Test |
| 015 | 9 | 3 | Delay Before Auto Answer |
| 016 | X | 120 | General Record |
| 017 | 9 | 1 | RECALL, Clock, Unit/Unit Restriction |
| 018 | 9 | 16 | Error Statistics |
| 019 | X | 7 | Application Identification |
| 020 | X | 60 | Login String #0 |
| 021 | X | 60 | Login String #1 |
| 022 | X | 60 | Login String #2 |
| 023 | X | 60 | Login String #3 |
| 024 | X | 60 | Login String #4 |
| 025 | X | 60 | Login String #5 |
| 026 | X | 60 | Login String #6 |
| 027 | X | 60 | Login String #7 |
| 028 | X | 60 | Login String #8 |
| 029 | X | 60 | Login String #9 |
| 030 | X | 16 | Idle Prompt |
| 031 | X | 120 | Function Key #1 Control String |
| 032 | X | 120 | Function Key #2 Control String |
| 033 | X | 120 | Function Key #3 Control String |
| 034 | X | 120 | Function Key #4 Control String |
| 035 | X | 120 | Function Key #5 Control String |
| 036 | X | 120 | Function Key #6 Control String |
| 037 | X | 120 | Out of Memory Control String |
| 038 | X | 120 | Auto Answer Control String |
| 039 | X | 120 | Function Key #9 Control String |
| 040 to 099 | X | 120 | General Records 40 to 99 |

*X = alphanumeric; 9 = numeric

Appendix A. Memory Locations

| Memory Location | Character Type | Field Length | Description |
|-----------------|----------------|--------------|----------------------------------|
| 100 | X | 32 | Primary Phone Number |
| 101 | X | 32 | Secondary Phone Number |
| 102 | X | 32 | Call Center Phone Number |
| 103 | X | 32 | Referral Phone Number |
| 104 | X | 46 | Merchant/Terminal ID |
| 105 | 9 | 3 | Message Format Flag |
| 106 | 9 | 3 | Fraud Control Flag |
| 107 | X | 120 | Transaction Control String |
| 108 | X | 16 | Transaction Type Prompt |
| 109 | 9 | 4 | Floor Limit |
| 110 | X | 120 | Response Analysis Control String |
| 111 | X | 120 | Auxiliary Control String |
| 112 | 9 | 1 | Multi-Transaction Group Code |
| 113 to 199 | X | 120 | General Locations 113 to 199 |
| 200 | X | 32 | Primary Phone Number |
| 201 | X | 32 | Secondary Phone Number |
| 202 | X | 32 | Call Center Phone Number |
| 203 | X | 32 | Referral Phone Number |
| 204 | X | 46 | Merchant/Terminal ID |
| 205 | 9 | 3 | Message Format Flag |
| 206 | 9 | 3 | Fraud Control Flag |
| 207 | X | 120 | Transaction Control String |
| 208 | X | 16 | Transaction Type Prompt |
| 209 | 9 | 4 | Floor Limit |
| 210 | X | 120 | Response Analysis Control String |
| 211 | X | 120 | Auxiliary Control String |
| 212 | 9 | 1 | Multi-Transaction Group Code |
| 213 to 299 | X | 120 | General Locations 213 to 299 |
| 300 | X | 32 | Primary Phone Number |
| 301 | X | 32 | Secondary Phone Number |
| 302 | X | 32 | Call Center Phone Number |
| 303 | X | 32 | Referral Phone number |
| 304 | X | 46 | Merchant/Terminal ID |
| 305 | 9 | 3 | Message Format Flag |
| 306 | 9 | 3 | Fraud Control Flag |
| 307 | X | 120 | Transaction Control String |
| 308 | X | 16 | Transaction Type Prompt |
| 309 | 9 | 4 | Floor Limit |
| 310 | X | 120 | Response Analysis Control String |
| 311 | X | 120 | Auxiliary Control String |
| 312 | 9 | 1 | Multi-Transaction Group Code |
| 313 to 399 | X | 120 | General Locations 319 to 399 |

*X = alphanumeric; 9 = numeric

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| Memory Location | Character Type* | Field Length | Description |
|-----------------|-----------------|--------------|----------------------------------|
| 400 | X | 32 | Primary Phone Number |
| 401 | X | 32 | Secondary Phone Number |
| 402 | X | 32 | Call Center Phone Number |
| 403 | X | 32 | Referral Phone Number |
| 404 | X | 46 | Merchant/Terminal ID |
| 405 | 9 | 3 | Message Format Flag |
| 406 | 9 | 3 | Fraud Control Flag |
| 407 | X | 120 | Transaction Control String |
| 408 | X | 16 | Transaction Type Prompt |
| 409 | 9 | 4 | Floor Limit |
| 410 | X | 120 | Response Analysis Control String |
| 411 | X | 120 | Auxiliary Control String |
| 412 | 9 | 1 | Multi-Transaction Group Code |
| 413 to 499 | X | 120 | General Locations 413 to 499 |
| 500 | X | 32 | Primary Phone Number |
| 501 | X | 32 | Secondary Phone Number |
| 502 | X | 32 | Call Center Phone Number |
| 503 | X | 32 | Referral Phone Number |
| 504 | X | 46 | Merchant/Terminal ID |
| 505 | 9 | 3 | Message Format Flag |
| 506 | 9 | 3 | Fraud Control Flag |
| 507 | X | 120 | Transaction Control String |
| 508 | X | 16 | Transaction Type Prompt |
| 509 | 9 | 4 | Floor Limit |
| 510 | X | 120 | Response Analysis Control String |
| 511 | X | 120 | Auxiliary Control String |
| 512 | 9 | 1 | Multi-Transaction Group Code |
| 513 to 599 | X | 120 | General Locations 513 to 599 |
| 600 | X | 32 | Primary Phone Number |
| 601 | X | 32 | Secondary Phone Number |
| 602 | X | 32 | Call Center Phone Number |
| 603 | X | 32 | Referral Phone Number |
| 604 | X | 46 | Merchant/Terminal ID |
| 605 | 9 | 3 | Message Format Flag |
| 606 | 9 | 3 | Fraud Control Flag |
| 607 | X | 120 | Transaction Control String |
| 608 | X | 16 | Transaction Type Prompt |
| 609 | 9 | 4 | Floor Limit |
| 610 | X | 120 | Response Analysis Control String |
| 611 | X | 120 | Auxiliary Control String |
| 612 | 9 | 1 | Multi-Transaction Group Code |
| 613 to 699 | X | 120 | General Locations 613 to 699 |

*X = alphanumeric; 9 = numeric

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| Memory Location | Character Type | Field Length | Description |
|-----------------|----------------|--------------|----------------------------------|
| 700 | X | 32 | Primary Phone Number |
| 701 | X | 32 | Secondary Phone Number |
| 702 | X | 32 | Call Center Phone Number |
| 703 | X | 32 | Referral Phone Number |
| 704 | X | 46 | Merchant/Terminal ID |
| 705 | 9 | 3 | Message Format Flag |
| 706 | 9 | 3 | Fraud Control Flag |
| 707 | X | 120 | Transaction Control String |
| 708 | X | 16 | Transaction Type Prompt |
| 709 | 9 | 4 | Floor Limit |
| 710 | X | 120 | Response Analysis Control String |
| 711 | X | 120 | Auxiliary Control String |
| 712 | 9 | 1 | Multi-Transaction Group Code |
| 713 to 799 | X | 120 | General Locations 713 to 799 |
| 800 | X | 32 | Primary Phone Number |
| 801 | X | 32 | Secondary Phone Number |
| 802 | X | 32 | Call Center Phone Number |
| 803 | X | 32 | Referral Phone Number |
| 804 | X | 46 | Merchant/Terminal ID |
| 805 | 9 | 3 | Message Format Flag |
| 806 | 9 | 3 | Fraud Control Flag |
| 807 | X | 120 | Transaction Control String |
| 808 | X | 16 | Transaction Type Prompt |
| 809 | 9 | 4 | Floor Limit |
| 810 | X | 120 | Response Analysis Control String |
| 811 | X | 120 | Auxiliary Control String |
| 812 | 9 | 1 | Multi-Transaction Group Code |
| 813 to 899 | X | 120 | General Locations 813 to 899 |
| 900 | X | 32 | Primary Phone Number |
| 901 | X | 32 | Secondary Phone Number |
| 902 | X | 32 | Call Center Phone Number |
| 903 | X | 32 | Referral Phone Number |
| 904 | X | 46 | Merchant/Terminal ID |
| 905 | 9 | 3 | Message Format Flag |
| 906 | 9 | 3 | Fraud Control Flag |
| 907 | X | 120 | Transaction Control String |
| 908 | X | 16 | Transaction Type Prompt |
| 909 | 9 | 4 | Floor Limit |

*X = alphanumeric; 9 = numeric

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| Memory Location | Character Type | Field Length | Description |
|-----------------|----------------|--------------|--|
| 910 | X | 120 | Response Analysis Control String |
| 911 | X | 120 | Auxiliary Control String |
| 912 | 9 | 1 | Multi-Transaction Group Code |
| 913 to 949 | X | 120 | General Locations 913 to 949 |
| 950 | X | 60 | Printer Type Flag |
| 951 | X | 60 | No. Line Feeds for Printer 250 or P600 |
| 952 | X | 60 | Baud For Generic Roll Printer |
| 953 | X | 60 | Data Format For Generic Roll Printer |
| 954 | X | 60 | Handshake For Generic Roll Printer |
| 955 to 957 | X | 60 | Reserved |
| 958 | X | 60 | Bell/CCITT (CCITT units only) |
| 959 | X | 60 | Reserved |
| 960 | X | 60 | Dial-up Line Upload/Download Speed |
| 961 to 964 | X | 60 | Reserved |
| 965 | X | 60 | Auto Answer Speed |
| 966 | 9 | 1 | Auto Answer Processing |
| 967 | 9 | 1 | Auto Answer Packet Inactivity Timeout |
| 968 to 969 | X | 60 | Reserved |
| 970 | X | 60 | DIN 6 Peripheral |
| 971 to 974 | X | 60 | Reserved |
| 975 | X | 60 | Line Recovery Time |
| 976 | X | 60 | Reserved |
| 977 | 9 | 1 | Free Memory Relaimation Parameter |
| 978 | X | 60 | Reserved |
| 979 | X | 60 | Abort Control String |
| 980 | X | 120 | Delay Executing Idle Loop Control String |
| 981 | X | 120 | Idle Loop Control String |
| 982 | X | 60 | Idle Loop Phone Number |
| 983 | X | 120 | Idle Loop Response Analysis Control String |
| 984 | X | 60 | Idle Loop Inactivity Timeout |
| 985 | 9 | 1 | Host Number For Card Initiated Trans |
| 986 | 9 | 1 | Host Number For Bar Code Initiated Trans |
| 987 to 989 | X | 60 | Reserved |
| 990 | X | 120 | Communication Error Control String |
| 991 to 996 | X | 60 | Reserved |
| 997 | X | 120 | VeriFone Control String |
| 998 | X | 60 | Reserved |
| 999 | X | 60 | Programming Error Recovery Log |

*X = alphanumeric; 9 = numeric