

# SIEMENS

## SIMATIC Ident

### Handheld reading systems

## SIMATIC MV320 Configuration guide

### Compact User Manual

## Legal information

### Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

<b>⚠ DANGER</b>
indicates that death or severe personal injury <b>will</b> result if proper precautions are not taken.
<b>⚠ WARNING</b>
indicates that death or severe personal injury <b>may</b> result if proper precautions are not taken.
<b>⚠ CAUTION</b>
indicates that minor personal injury can result if proper precautions are not taken.
<b>NOTICE</b>
indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

### Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

### Proper use of Siemens products

Note the following:

<b>⚠ WARNING</b>
Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

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NOTE: Configuration changes will take effect immediately and be saved to memory.

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<p><b>500ms Motion Detection Delay</b></p>  <p>M10017_03</p> <p>C1</p>	<p><b>Motion Detection Off In and Out of Stand</b></p>  <p>M10013_02</p> <p>C2</p>	<p><b>Anti-Glare On</b></p>  <p>M10352_01</p> <p>C3</p>	<p><b>Anti-Glare Off - Default</b></p>  <p>M10433_01</p> <p>C4</p>
<p><b>Mirroring On</b></p>  <p>M10125_01</p> <p>D1</p>	<p><b>Mirroring Off - Default</b></p>  <p>M10124_02</p> <p>D2</p>	<p><b>Targeting On - Default</b></p>  <p>M10153_01</p> <p>D3</p>	<p><b>Targeting Off</b></p>  <p>M10154_01</p> <p>D4</p>
<p><b>Cell Phone Reading Enhancement On</b></p>  <p>M10163_01</p> <p>E1</p>	<p><b>Cell Phone Reading Enhancement Off - Default</b></p>  <p>M10162_01</p> <p>E2</p>	<p><b>Data Formatting (Prefix/Suffix) Settings</b></p>	
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# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>Erase Prefix Data - Default</b></p>  <p>M10126_01</p> <p style="text-align: right;">A1</p>	<p><b>Erase Suffix Data - Default</b></p>  <p>M10130_01</p> <p style="text-align: right;">A2</p>	<p><b>Prefix AIM ID On</b></p>  <p>M10199_01</p> <p style="text-align: right;">A3</p>	<p><b>Prefix AIM ID Off - Default</b></p>  <p>M10198_01</p> <p style="text-align: right;">A4</p>
<p><b>Prefix Carriage Return Line Feed (RS232 Mode Only)</b></p>  <p>M10405_01</p> <p style="text-align: right;">B1</p>	<p><b>Prefix Comma</b></p>  <p>M10127_01</p> <p style="text-align: right;">B2</p>	<p><b>Prefix Space</b></p>  <p>M10128_01</p> <p style="text-align: right;">B3</p>	<p><b>Prefix Tab (USB Keyboard Mode Only)</b></p>  <p>M10129_01</p> <p style="text-align: right;">B4</p>
<p><b>Prefix Tab (RS232 Mode Only)</b></p>  <p>M10319_01</p> <p style="text-align: right;">C1</p>	<p><b>Suffix Carriage Return (RS232 Mode Only)</b></p>  <p>M10320_01</p> <p style="text-align: right;">C2</p>	<p><b>Suffix Carriage Return Line Feed (RS232 Mode Only)</b></p>  <p>M10322_01</p> <p style="text-align: right;">C3</p>	<p><b>Suffix Comma</b></p>  <p>M10131_01</p> <p style="text-align: right;">C4</p>
<p><b>Suffix Enter (USB Keyboard Mode Only)</b></p>  <p>M10134_01</p> <p style="text-align: right;">D1</p>	<p><b>Suffix Line Feed (RS232 Mode Only)</b></p>  <p>M10321_01</p> <p style="text-align: right;">D2</p>	<p><b>Suffix Space</b></p>  <p>M10132_01</p> <p style="text-align: right;">D3</p>	<p><b>Suffix Tab (USB Keyboard Mode Only)</b></p>  <p>M10133_01</p> <p style="text-align: right;">D4</p>
<p><b>Suffix Tab (RS232 Mode Only)</b></p>  <p>M10323_01</p> <p style="text-align: right;">E1</p>	<p><b>Translate all Characters to Uppercase On</b></p>  <p>M10220_03</p> <p style="text-align: right;">E2</p>	<p><b>Translate all Characters to Uppercase Off - Default</b></p>  <p>M10426_02</p> <p style="text-align: right;">E3</p>	<p><b>Intentionally Blank</b></p> <p style="text-align: right;">E4</p>

# Configuration Guide

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<b>Symbologies</b>	<b>Australian Post On</b>	<b>Australian Post Off - Default</b>	<b>Aztec On - Default</b>
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	<b>A2</b>	<b>A3</b>	<b>A4</b>
	<b>Aztec Off</b>	<b>Aztec Inverse On</b>	<b>Aztec Inverse &amp; Normal On</b>
 M10019_01	 M10020_01	 M10021_01	 M10022_01
<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b>
<b>Codabar Off</b>	<b>Codablock F On</b>	<b>Codablock F Off - Default</b>	<b>Code 11 On</b>
 M10023_01	 M10027_01	 M10026_01	 M10029_01
<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>C4</b>
<b>Code 11 Off - Default</b>	<b>Code 11 Checksum Stripped from Result On</b>	<b>Code 128 On - Default</b>	<b>Code 128 Off</b>
 M10028_01	 M10031_01	 M10044_01	 M10045_01
<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>D4</b>
<b>Code 32 (Italian Pharmacode) On</b>	<b>Code 32 (Italian Pharmacode) Off - Default</b>	<b>Code 39 On - Default</b>	<b>Code 39 Off</b>
 M10239_02	 M10238_02	 M10033_02	 M10034_02
<b>E1</b>	<b>E2</b>	<b>E3</b>	<b>E4</b>



# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>Code 39 Checksum On</b></p>  <p>M10036_01</p> <p>A1</p>	<p><b>Code 39 Checksum Off - Default</b></p>  <p>M10035_01</p> <p>A2</p>	<p><b>Code 39 Checksum Stripped from Result On</b></p>  <p>M10037_01</p> <p>A3</p>	<p><b>Code 39 Extended Full ASCII On</b></p>  <p>M10039_01</p> <p>A4</p>
<p><b>Code 39 Extended Full ASCII Off - Default</b></p>  <p>M10038_01</p> <p>B1</p>	<p><b>Code 93 On - Default</b></p>  <p>M10042_01</p> <p>B2</p>	<p><b>Code 93 Off</b></p>  <p>M10043_01</p> <p>B3</p>	<p><b>Composite On</b></p>  <p>M10047_01</p> <p>B4</p>
<p><b>Composite Off - Default</b></p>  <p>M10046_01</p> <p>C1</p>	<p><b>Data Matrix Inverse On - Default</b></p>  <p>M10051_03</p> <p>C2</p>	<p><b>Data Matrix Inverse Off</b></p>  <p>M10050_03</p> <p>C3</p>	<p><b>All GS1 DataBar On - Default</b></p>  <p>M10054_01</p> <p>C4</p>
<p><b>All GS1 DataBar Off</b></p>  <p>M10055_01</p> <p>D1</p>	<p><b>GS1 DataBar Omnidirectional and GS1 DataBar Truncated On</b></p>  <p>M10057_03</p> <p>D2</p>	<p><b>GS1 DataBar Omnidirectional and GS1 DataBar Truncated Off</b></p>  <p>M10355_02</p> <p>D3</p>	<p><b>GS1 DataBar Expanded On</b></p>  <p>M10059_03</p> <p>D4</p>
<p><b>GS1 DataBar Expanded Off</b></p>  <p>M10417_02</p> <p>E1</p>	<p><b>GS1 DataBar Expanded Stacked On</b></p>  <p>M10357_02</p> <p>E2</p>	<p><b>GS1 DataBar Expanded Stacked Off</b></p>  <p>M10356_02</p> <p>E3</p>	<p><b>GS1 DataBar Limited On</b></p>  <p>M10056_03</p> <p>E4</p>

# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>GS1 DataBar Limited Off</b></p>  <p>M10354_02</p> <p>A1</p>	<p><b>GS1 DataBar Stacked and GS1 DataBar Stacked Omnidirectional On</b></p>  <p>M10058_03</p> <p>A2</p>	<p><b>GS1 DataBar Stacked and GS1 DataBar Stacked Omnidirectional Off</b></p>  <p>M10353_03</p> <p>A3</p>	<p><b>Han Xin On</b></p>  <p>M10248_01</p> <p>A4</p>
<p><b>Han Xin Off - Default</b></p>  <p>M10249_01</p> <p>B1</p>	<p><b>Hong Kong 2 of 5 On</b></p>  <p>M10079_01</p> <p>B2</p>	<p><b>Hong Kong 2 of 5 Off - Default</b></p>  <p>M10078_02</p> <p>B3</p>	<p><b>Int 2 of 5 On - Default</b></p>  <p>M10060_01</p> <p>B4</p>
<p><b>Int 2 of 5 Off</b></p>  <p>M10061_01</p> <p>C1</p>	<p><b>Int 2 of 5 Checksum On</b></p>  <p>M10235_01</p> <p>C2</p>	<p><b>Int 2 of 5 Checksum Off - Default</b></p>  <p>M10234_01</p> <p>C3</p>	<p><b>Int 2 of 5 Checksum Stripped from Result On</b></p>  <p>M10065_01</p> <p>C4</p>
<p><b>Japan Post On</b></p>  <p>M10292_02</p> <p>D1</p>	<p><b>Japan Post Off - Default</b></p>  <p>M10293_02</p> <p>D2</p>	<p><b>KIX (Dutch Post) Code On</b></p>  <p>M10290_02</p> <p>D3</p>	<p><b>KIX (Dutch Post) Code Off - Default</b></p>  <p>M10291_02</p> <p>D4</p>
<p><b>Korean Post On</b></p>  <p>M10358_01</p> <p>E1</p>	<p><b>Korean Post Off - Default</b></p>  <p>M10359_01</p> <p>E2</p>	<p><b>Maxicode On</b></p>  <p>M10067_02</p> <p>E3</p>	<p><b>Maxicode Off - Default</b></p>  <p>M10066_01</p> <p>E4</p>

# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>Matrix 2 of 5 On</b></p>  <p>M10069_01</p> <p style="text-align: right;">A1</p>	<p><b>Matrix 2 of 5 Off - Default</b></p>  <p>M10068_01</p> <p style="text-align: right;">A2</p>	<p><b>Micro PDF417 On</b></p>  <p>M10073_01</p> <p style="text-align: right;">A3</p>	<p><b>Micro PDF417 Off - Default</b></p>  <p>M10072_01</p> <p style="text-align: right;">A4</p>
<p><b>MSI Plessey On</b></p>  <p>M10076_01</p> <p style="text-align: right;">B1</p>	<p><b>MSI Plessey Off - Default</b></p>  <p>M10077_01</p> <p style="text-align: right;">B2</p>	<p><b>NEC 2 of 5 On</b></p>  <p>M10082_01</p> <p style="text-align: right;">B3</p>	<p><b>NEC 2 of 5 Off - Default</b></p>  <p>M10083_01</p> <p style="text-align: right;">B4</p>
<p><b>PDF417 On - Default</b></p>  <p>M10070_01</p> <p style="text-align: right;">C1</p>	<p><b>PDF417 Off</b></p>  <p>M10071_01</p> <p style="text-align: right;">C2</p>	<p><b>Pharmacode On</b></p>  <p>M10275_02</p> <p style="text-align: right;">C3</p>	<p><b>Pharmacode Off - Default</b></p>  <p>M10274_03</p> <p style="text-align: right;">C4</p>
<p><b>Pharmacode Normal Barcode Decoding (Left to Right)</b></p>  <p>M10281_02</p> <p style="text-align: right;">D1</p>	<p><b>Pharmacode Reverse Barcode Decoding (Right to Left)</b></p>  <p>M10280_02</p> <p style="text-align: right;">D2</p>	<p><b>All QR Code On</b></p>  <p>M10101_02</p> <p style="text-align: right;">D3</p>	<p><b>All QR Code Off</b></p>  <p>M10351_03</p> <p style="text-align: right;">D4</p>
<p><b>Standard QR Code On - Default</b></p>  <p>M10095_03</p> <p style="text-align: right;">E1</p>	<p><b>Standard QR Code Off</b></p>  <p>M10096_02</p> <p style="text-align: right;">E2</p>	<p><b>Straight 2 of 5 On</b></p>  <p>M10241_01</p> <p style="text-align: right;">E3</p>	<p><b>Straight 2 of 5 Off - Default</b></p>  <p>M10240_01</p> <p style="text-align: right;">E4</p>


# Configuration Guide

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<p><b>Telepen On</b></p>  <p>M10103_01</p> <p>A1</p>	<p><b>Telepen Off - Default</b></p>  <p>M10104_01</p> <p>A2</p>	<p><b>Trioptic On</b></p>  <p>M10041_01</p> <p>A3</p>	<p><b>Trioptic Off - Default</b></p>  <p>M10040_01</p> <p>A4</p>
<p><b>UK Plessey On</b></p>  <p>M10237_02</p> <p>B1</p>	<p><b>UK Plessey Off - Default</b></p>  <p>M10236_02</p> <p>B2</p>	<p><b>UK Royal Mail On</b></p>  <p>M10294_02</p> <p>B3</p>	<p><b>UK Royal Mail Off - Default</b></p>  <p>M10295_02</p> <p>B4</p>
<p><b>UPC On - Default</b></p>  <p>M10105_01</p> <p>C1</p>	<p><b>UPC Off</b></p>  <p>M10106_01</p> <p>C2</p>	<p><b>UPC E Expansion On</b></p>  <p>M10108_01</p> <p>C3</p>	<p><b>UPC E Expansion Off - Default</b></p>  <p>M10107_01</p> <p>C4</p>
<p><b>UPC Supplemental On</b></p>  <p>M10110_01</p> <p>D1</p>	<p><b>UPC Supplemental Off - Default</b></p>  <p>M10109_01</p> <p>D2</p>	<p><b>UPU ID-Tag On</b></p>  <p>M10360_02</p> <p>D3</p>	<p><b>UPU ID-Tag Off - Default</b></p>  <p>M10361_02</p> <p>D4</p>
<p><b>USPS Intelligent Mail/IMB/4-State CB On</b></p>  <p>M10286_02</p> <p>E1</p>	<p><b>USPS Intelligent Mail/IMB/4-State CB Off - Default</b></p>  <p>M10287_02</p> <p>E2</p>	<p><b>USPS Planet On</b></p>  <p>M10284_02</p> <p>E3</p>	<p><b>USPS Postnet Off - Default</b></p>  <p>M10283_02</p> <p>E4</p>






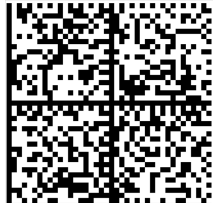











# Configuration Guide

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<p><b>USPS Planet Off - Default</b></p>  <p>M10285_02</p> <p>A1</p>	<p><b>USPS Postnet On</b></p>  <p>M10282_02</p> <p>A2</p>	<p><b>Keyboard Language Settings</b></p>		
<p><b>US English Keyboard Mapping - with Leading 0 for Non Printable ASCII</b></p>  <p>M10411_01</p> <p>B1</p>	<p><b>Keyboard Control Characters for Non Printable ASCII</b></p>  <p>M10412_01</p> <p>B2</p>	<p><b>Belgium Keyboard</b></p>  <p>M10115_01</p> <p>B3</p>	<p><b>French Keyboard</b></p>  <p>M10414_01</p> <p>B4</p>	
<p><b>German Keyboard</b></p>  <p>M10415_01</p> <p>C1</p>	<p><b>Japanese Keyboard</b></p>  <p>M10416_01</p> <p>C2</p>	<p><b>Spanish (Latin America) Keyboard</b></p>  <p>M10120_02</p> <p>C3</p>	<p><b>Swiss Keyboard</b></p>  <p>M10116_01</p> <p>C4</p>	
<p><b>Universal Keyboard Mapping</b></p>  <p>M10413_01</p> <p>D1</p>	<p><b>Operating System Settings</b></p>		<p><b>Alternative Operating System (Linux/Mac) On</b></p>  <p>M10123_02</p> <p>D3</p>	<p><b>Alternative Operating System (Linux/Mac) Off - Default</b></p>  <p>M10122_02</p> <p>D4</p>
<p><b>USB Settings</b></p>		<p><b>Reset to USB Factory Defaults</b></p>  <p>M10002_02</p> <p>E2</p>	<p><b>USB Keyboard Mode</b></p>  <p>M10200_01</p> <p>E3</p>	<p><b>USB Downloader Mode</b></p>  <p>M10004_02</p> <p>E4</p>

# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>USB HID POS Mode (Terminal ID 131)</b></p>  <p>M10425_01</p> <p>A1</p>	<p><b>USB Native Two Way Mode</b></p>  <p>M10006_02</p> <p>A2</p>	<p><b>USB Virtual COM One Way Mode</b></p>  <p>M10005_01</p> <p>A3</p>	<p><b>USB Virtual COM Multiple Ports</b></p>  <p>M10431_01</p> <p>A4</p>
<p><b>USB Virtual COM Common Ports</b></p>  <p>M10432_01</p> <p>B1</p>	<p><b>RS232 Settings</b></p>	<p><b>Reset to RS232 Factory Defaults</b></p>  <p>M10389_03</p> <p>B3</p>	<p><b>RS232 Interface 1200 Baud Rate</b></p>  <p>M10392_01</p> <p>B4</p>
<p><b>RS232 Interface 2400 Baud Rate</b></p>  <p>M10393_01</p> <p>C1</p>	<p><b>RS232 Interface 4800 Baud Rate</b></p>  <p>M10394_01</p> <p>C2</p>	<p><b>RS232 Interface 9600 Baud Rate</b></p>  <p>M10395_01</p> <p>C3</p>	<p><b>RS232 Interface 19200 Baud Rate</b></p>  <p>M10396_01</p> <p>C4</p>
<p><b>RS232 Interface 38400 Baud Rate</b></p>  <p>M10397_01</p> <p>D1</p>	<p><b>RS232 Interface 57600 Baud Rate</b></p>  <p>M10398_01</p> <p>D2</p>	<p><b>RS232 Interface 115200 Baud Rate - Default</b></p>  <p>M10399_01</p> <p>D3</p>	<p><b>RS232 Interface 7 Data Bits</b></p>  <p>M10390_01</p> <p>D4</p>
<p><b>RS232 Interface 8 Data Bits - Default</b></p>  <p>M10391_01</p> <p>E1</p>	<p><b>RS232 Interface Stop Bits 1 - Default</b></p>  <p>M10406_01</p> <p>E2</p>	<p><b>RS232 Interface Stop Bits 2</b></p>  <p>M10407_01</p> <p>E3</p>	<p><b>RS232 Interface Even Parity</b></p>  <p>M10400_01</p> <p>E4</p>

# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>RS232 Interface Odd Parity</b></p>  <p>M10401_01</p> <p style="text-align: right;">A1</p>	<p><b>RS232 Interface No Parity - Default</b></p>  <p>M10402_01</p> <p style="text-align: right;">A2</p>	<p><b>RS232 Interface Flow Control Off - Default</b></p>  <p>M10408_01</p> <p style="text-align: right;">A3</p>	<p><b>RS232 Interface Flow Control - Hardware</b></p>  <p>M10409_01</p> <p style="text-align: right;">A4</p>
<p><b>RS232 Packet Mode</b></p>  <p>M10388_01</p> <p style="text-align: right;">B1</p>	<p><b>RS232 Raw Mode - Default</b></p>  <p>M10387_01</p> <p style="text-align: right;">B2</p>	<p style="text-align: center;"><b>Reader Feedback Settings</b></p>	<p><b>Beep On Vibrate On - Default</b></p>  <p>M10140_01</p> <p style="text-align: right;">B4</p>
<p><b>Beep Off Vibrate Off</b></p>  <p>M10143_01</p> <p style="text-align: right;">C1</p>	<p><b>Beep Off Vibrate On</b></p>  <p>M10141_01</p> <p style="text-align: right;">C2</p>	<p><b>Beep On Vibrate Off</b></p>  <p>M10142_01</p> <p style="text-align: right;">C3</p>	<p><b>Beep Volume 100% - Default</b></p>  <p>M10197_01</p> <p style="text-align: right;">C4</p>
<p><b>Beep Volume 67%</b></p>  <p>M10196_01</p> <p style="text-align: right;">D1</p>	<p><b>Beep Volume 33%</b></p>  <p>M10195_01</p> <p style="text-align: right;">D2</p>	<p><b>Beep Volume 0%</b></p>  <p>M10194_01</p> <p style="text-align: right;">D3</p>	<p><b>Intentionally Blank</b></p> <p style="text-align: right;">D4</p>
<p style="text-align: center;"><b>Scan Delay Settings</b></p>	<p><b>Duplicate Scan Disabled - Default</b></p>  <p>M10144_01</p> <p style="text-align: right;">E2</p>	<p><b>1 Second Duplicate Scan Delay</b></p>  <p>M10145_01</p> <p style="text-align: right;">E3</p>	<p><b>2 Second Duplicate Scan Delay</b></p>  <p>M10146_01</p> <p style="text-align: right;">E4</p>

# Configuration Guide

NOTE: Configuration changes will take effect immediately and be saved to memory.

<p><b>3 Second Duplicate Scan Delay</b></p>  <p>M10147_01</p> <p>A1</p>	<p><b>5 Second Duplicate Scan Delay</b></p>  <p>M10148_01</p> <p>A2</p>	<p><b>10 Second Duplicate Scan Delay</b></p>  <p>M10149_01</p> <p>A3</p>	<p><b>30 Second Duplicate Scan Delay</b></p>  <p>M10150_01</p> <p>A4</p>
<p><b>1 Hour Duplicate Scan Delay</b></p>  <p>M10151_01</p> <p>B1</p>	<p><b>1 Day Duplicate Scan Delay</b></p>  <p>M10152_01</p> <p>B2</p>	<p><b>Reader/Modem Commands</b></p>	
<p><b>Reader ID and Firmware Version</b></p>  <p>M10157_01</p> <p>B4</p>	<p><b>Reset, Clear and Save Reader Settings</b></p>		<p><b>Clear All JavaScript Rules</b></p>  <p>M10139_01</p> <p>C4</p>
<p><b>Reader Text Commands On</b></p>  <p>M10137_01</p> <p>C1</p>	<p><b>Reader Text Commands Off - Default</b></p>  <p>M10136_01</p> <p>C2</p>		
<p><b>Clear All Stored Data and Images</b></p>  <p>M10138_02</p> <p>D1</p>	<p><b>Save All Reader Settings - Default</b></p>  <p>M10159_01</p> <p>D2</p>	<p><b>Reboot Reader</b></p>  <p>M10296_01</p> <p>D3</p>	<p><b>Intentionally Blank</b></p> <p>D4</p>
<p><b>Intentionally Blank</b></p> <p>E1</p>	<p><b>Intentionally Blank</b></p> <p>E2</p>	<p><b>Intentionally Blank</b></p> <p>E3</p>	<p><b>Intentionally Blank</b></p> <p>E4</p>



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