


GS1 Special Function

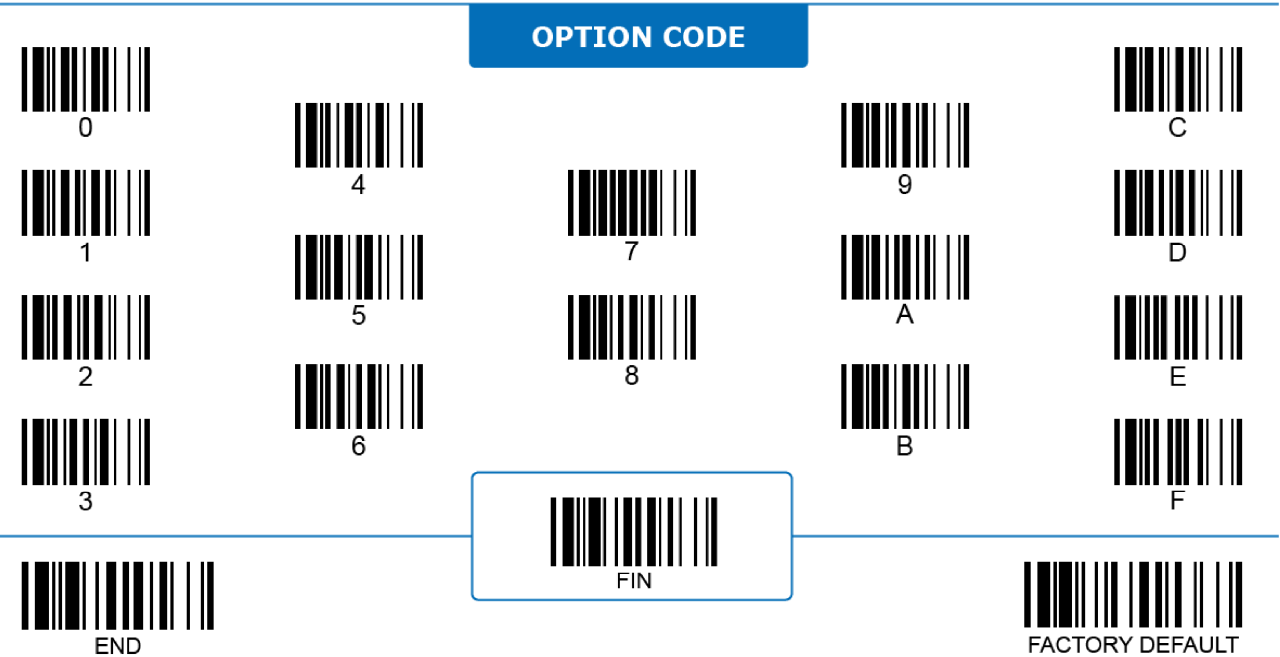
ALL



Program

Family Code	PP	Parameter Selection	Option Code
 GS1 Special Function	SS SS	Disable ◀ Enable	0 1

GS1 Special Function: When enabled, the scanner analyzes and transmits GS1 codes according to the settings of GS1-related parameters and GS1 formatter. When disabled, the scanner directly transmits these codes as normal barcodes. The **GS1 formatter** is provided by the FuzzyScan PowerTool 3 utility software.




GS1 1st FNC1 Transmit

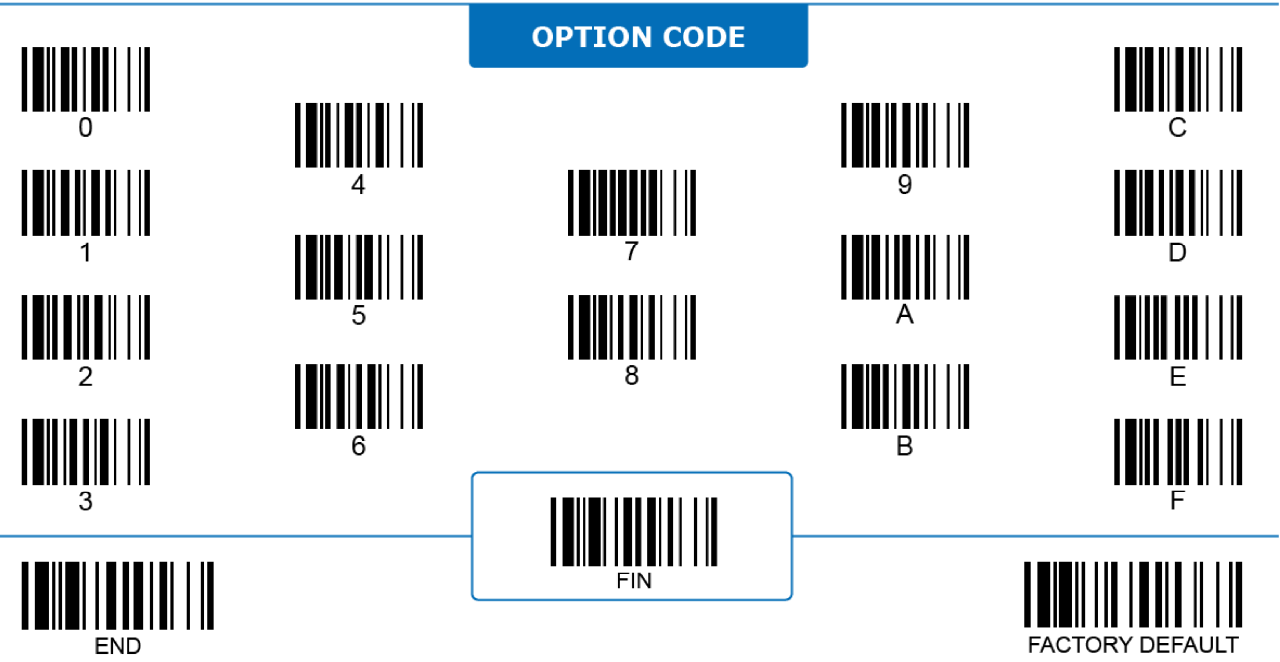


Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 1 st FNC1 Transmit	SS SS	Disable ◀ Enable	2 3

GS1 1st FNC1 Transmit: When enabled, the scanner converts the invisible FNC1 character in GS1 codes into a visible text string “**]**C1” and transmits it to the host. With this option, if there is more than one FNC1 character in the GS1 code, only the first FNC1 is converted.



GS1 Noninitial FNC1 Transmit



Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 Noninitial FNC1 Transmit	SS	None ◀	0
	SS	<GS> (1Dh)	1
	MS	User-defined character (1-2 characters)	2, [00-7F], [FIN]

GS1 Noninitial FNC1 Transmit: In GS1 codes, non-initial FNC1 (FNC1 not located at the start of the barcode) is used to mark the end position of a data field with a variable length. When **FNC1 Transmit** is enabled and the GS1 contains a data field(s) with a variable data length, the scanner converts and transmits the invisible FNC1 character(s) accordingly.

- **None:** The scanner divides the variable length data field according to the non-initial FNC1, but does not transmit the FNC1.
- **<GS>:** The scanner converts the non-initial FNC1 to <GS> (value 1Dh) in serial interface, or its corresponding character in HID keyboard interface.
- **User-defined:** The scanner converts the non-initial FNC1 to the user-defined value in a serial interface, or its corresponding character(s) in a HID keyboard interface.

To enter the character(s), refer to the **HEX to ASCII Conversion Table** below:

H \ L	0	1	2	3	4	5	6	7
0	NUL	DLE	SPACE	0	@	P	`	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	"	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	\$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL

OPTION CODE



0



1



2



3



END



4



5



6



7



8



9



A



B



C



D



E



F



FIN




FACTORY DEFAULT

GS1 AI Transmit

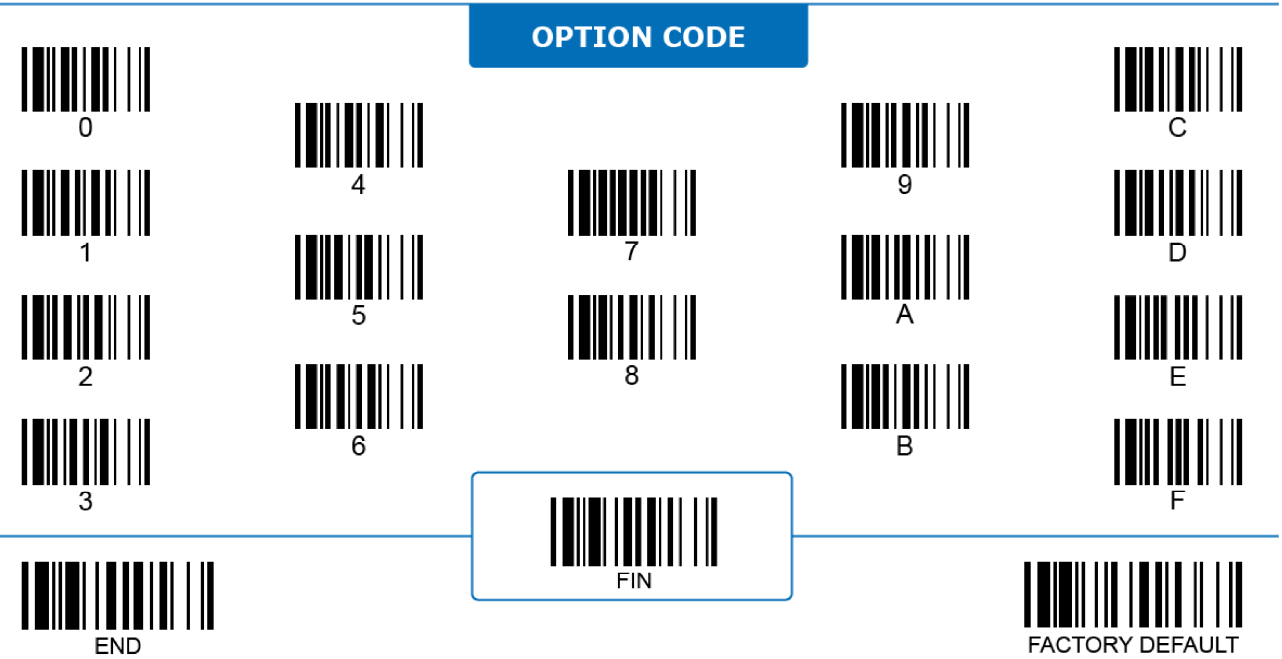


Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 AI Transmit	SS	Do not transmit AI ◀	4
	SS	Transmit AI	5
	SS	Transmit AI enclosed with parentheses “(“ and “)”	6

GS1 AI Transmit configures how the scanner processes the **Application Identifier (AI)** embedded in the GS1 code. When disabled, the scanner organizes decoded data before transmitting according to the embedded AIs, but does not directly transmit the AI characters themselves.




GS1 Failure Rule



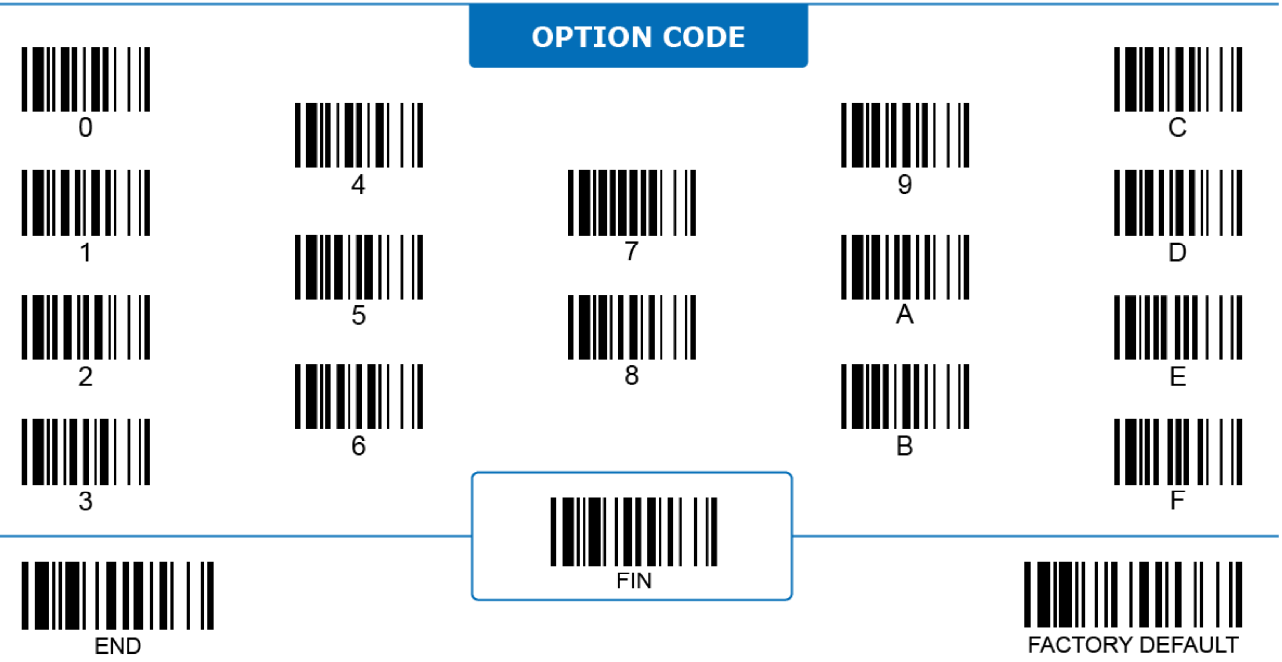
Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 Failure Rule	SS	Abandon data ◀	0
	SS	Transmit unparsed data	1

GS1 Failure Rule configures how the scanner processes the decoded data when the GS1 parsing rule fails. GS1 Parsing fails under the following conditions:

- The scanned data is labeled as GS1 but (part of) its format does not follow GS1 standard.
- The scanned data contains rarely used Application Identifier (AI) not supported by FuzzyScan products.




GS1 Prefix/Suffix Output



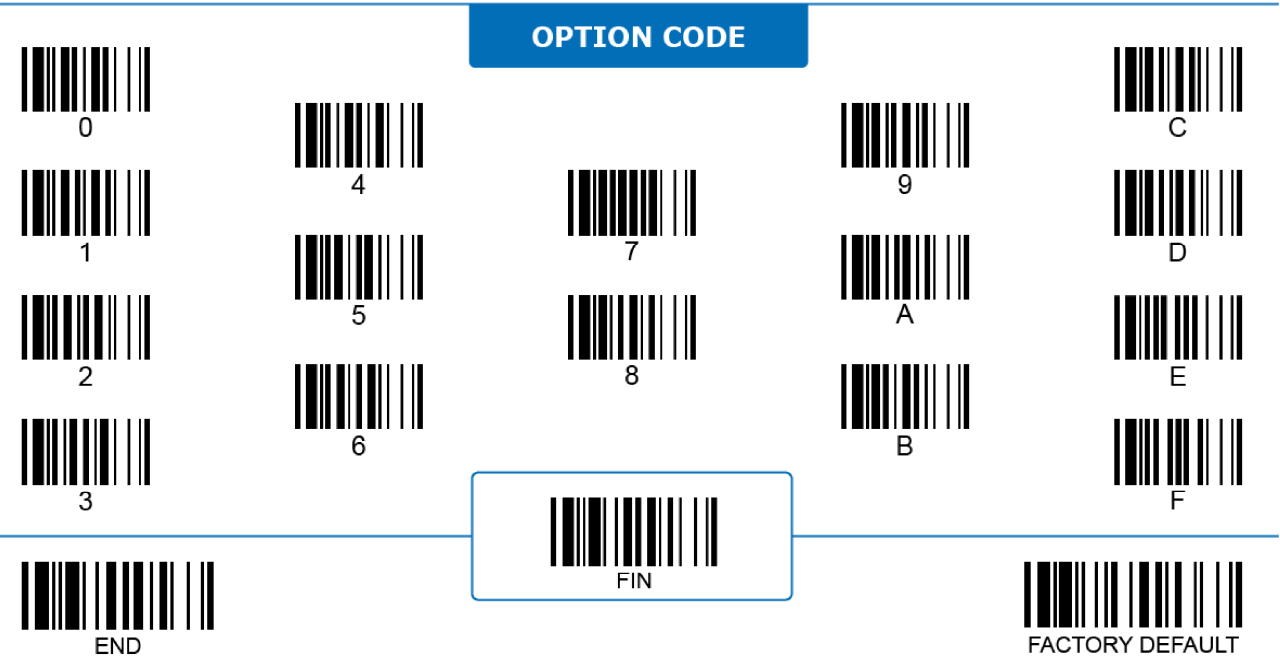
Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 Prefix/Suffix Output	SS	Output prefix/suffix of all AI fields ◀	0
	SS	Output prefix/suffix of existing AI fields only	1

GS1 Prefix/Suffix Output configures how the scanner processes the user-defined prefix/suffix set by GS1 formatter in the PowerTool 3 utility software:


- **Output prefix/suffix of all AI fields:** If you have set a prefix/suffix for a specific Application Identifier (AI) field but the AI doesn't exist in the GS1 code you scan, the scanner outputs the prefix/suffix without its corresponding AI and scanned data.
- **Output prefix/suffix of existing AI fields only:** If you have set a prefix/suffix for a specific AI field but the AI doesn't exist in the GS1 code you scan, the scanner skips the AI and its corresponding prefix/suffix.



GS1 Format Mismatch Rule



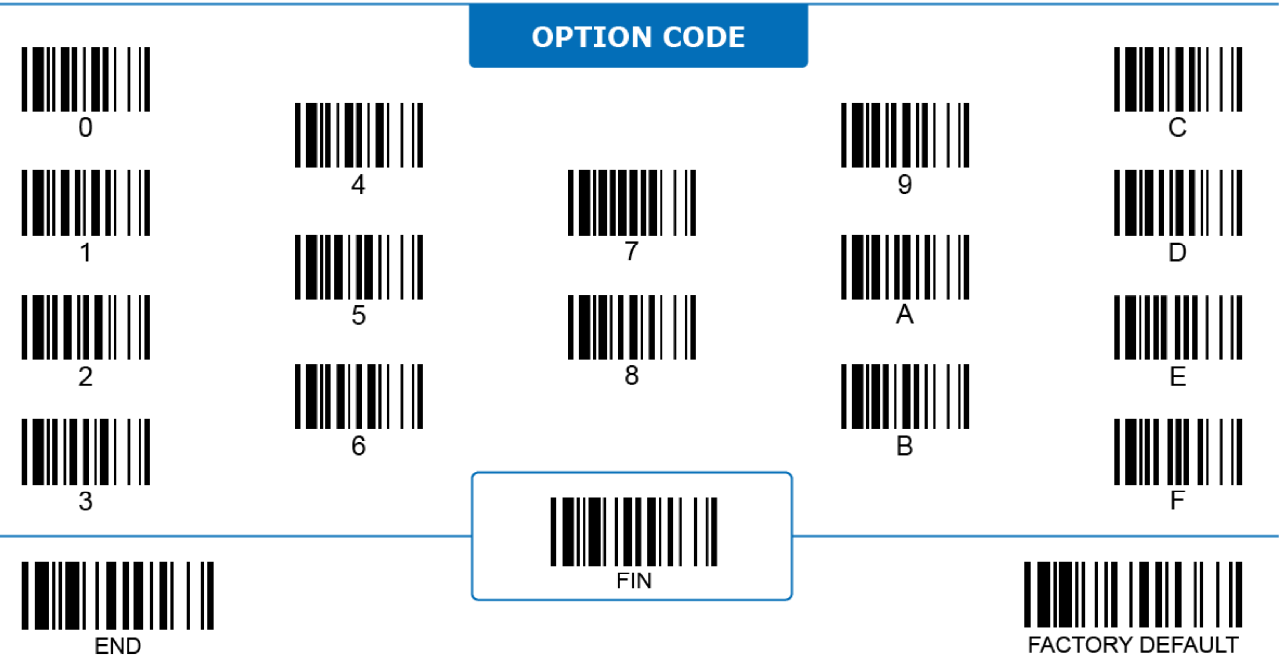
Program

ALL			
Family Code	PP	Parameter Selection	Option Code
 GS1 Format Mismatch Rule	SS	Abandon data ◀	2
	SS	Output original data	3

GS1 Format Mismatch Rule configures how the scanner processes the scanned GS1 data if all the Application Identifier (AI) fields in the barcodes mismatch with the AI fields you have defined with the **GS1 formatter** in PowerTool 3 utility software:

- **Abandon data:** Abandon the complete GS1 code and transmit nothing.
- **Output original data:** Keep the data and transmit it as a normal barcode without GS1 parsing.


GS1 Format Mismatch Rule is only effective when **GS1 Prefix/Suffix Output** is set to “Output prefix/suffix of all AI fields”.



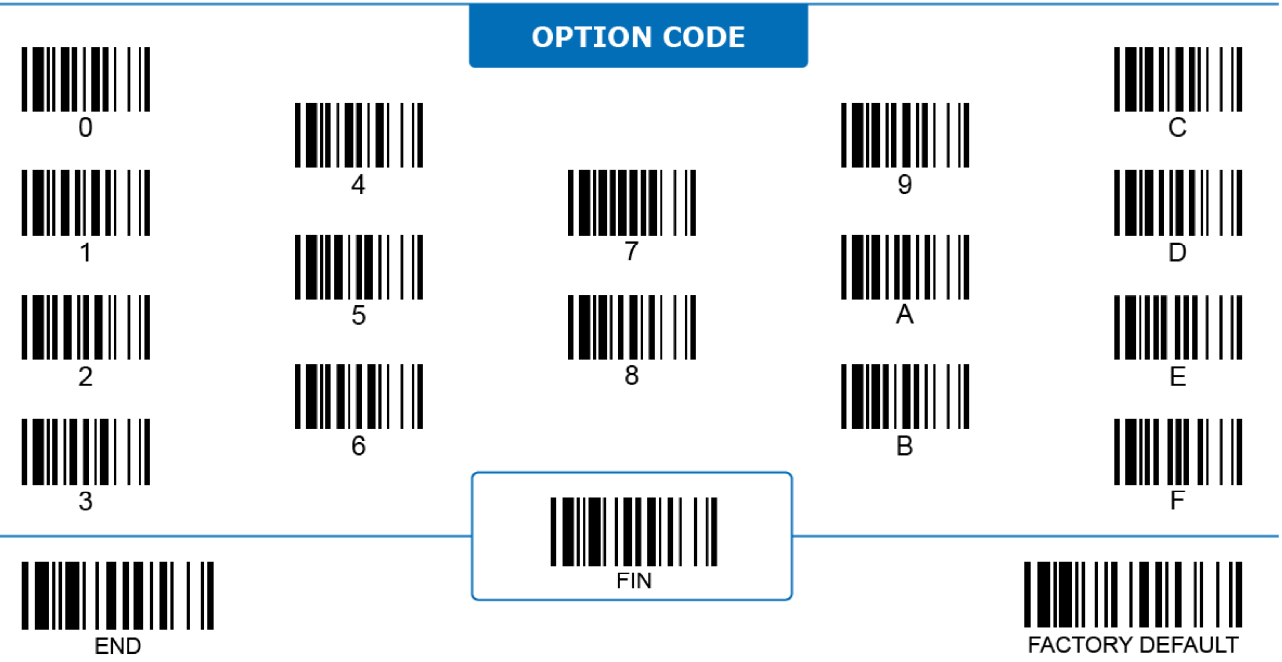
GS1 Date Field ‘DD=00’ Transmit



Program

ALL			
Family Code	PP	Parameter Selection	Option Code
 GS1 ‘DD=00’ Transmit	SS	Disable	7
	SS	Transmit ‘DD=00’ ◀	8

GS1 Date Field “DD=00” Transmit: When enabled, the scanner transmits “00” directly if the data string contains date-type field and the last two digits of YYMMDD equals to “00”. When disabled, the scanner omits “00” and sends out YYMM instead.




GS1 Decimal Point Insert

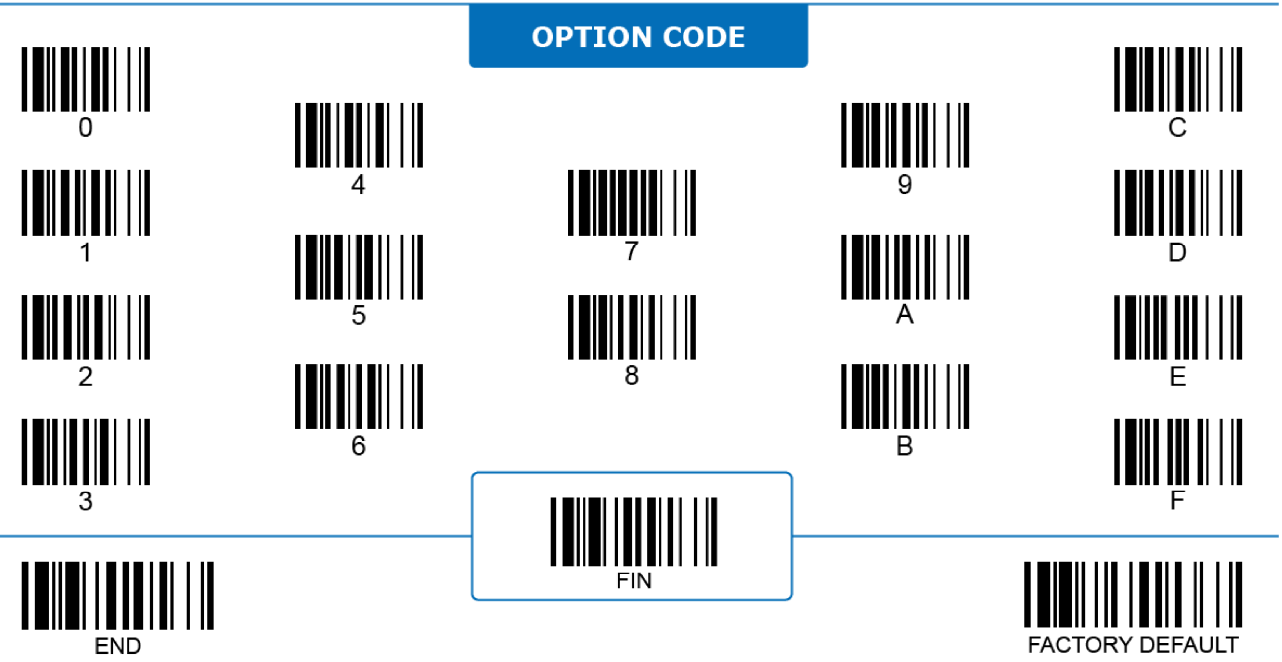


Program

ALL

Family Code	PP	Parameter Selection	Option Code
 GS1 Decimal Point Insert	SS SS	Disable ◀ Enable	9 A

GS1 Decimal Point Insert: When enabled, the scanner inserts a decimal point into each number-type data field if the decimal point position is implied in its Application Identifier (AI).



GS1 Element String Separator



Program

ALL

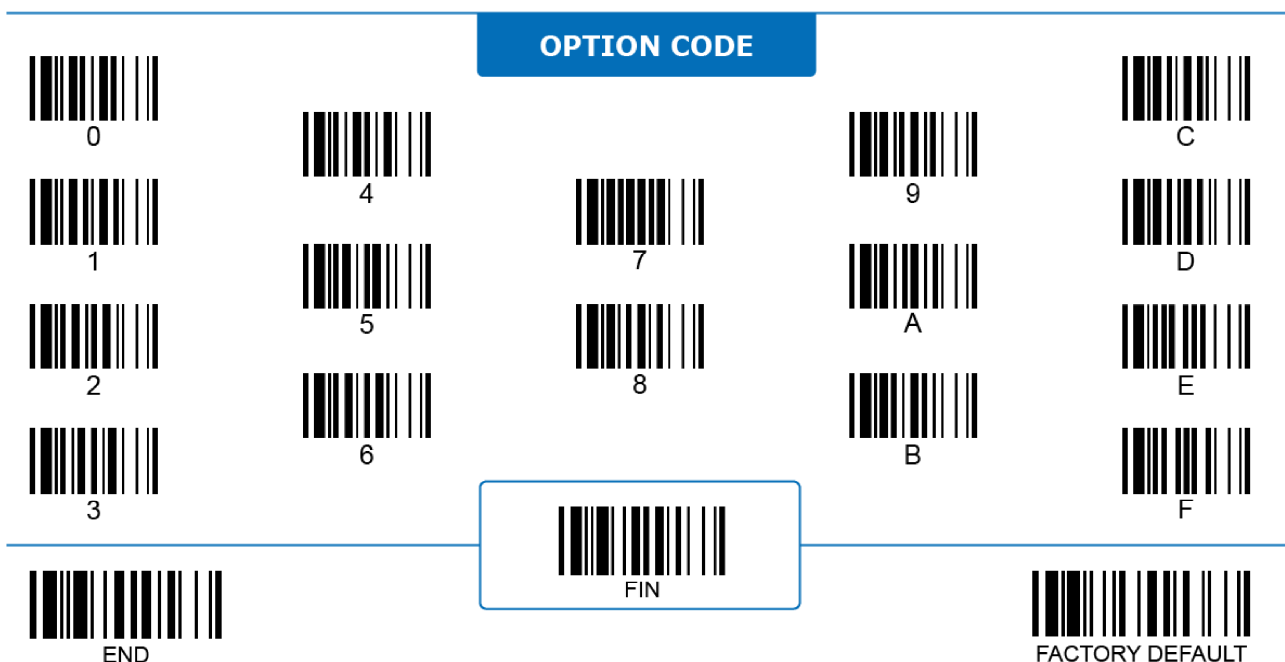
Family Code	PP	Parameter Selection	Option Code
 GS1 Element String Separator	SS None ◀ MS User-defined character (1~2 characters)		FIN [00-7F], [FIN]

GS1 Element String Separator: When enabled, the user-defined character appears at the end of each element string except the last one.

The FNC1 character is enclosed within the element string (positioned before the separator) if **GS1 Noninitial FNC1 Transmission Selection** is enabled.

To enter the character(s), refer to the **HEX to ASCII Conversion Table** below:

L \ H	0	1	2	3	4	5	6	7
0	NUL	DLE	SPACE	0	@	P	'	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	"	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	\$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL




GS1 Data Separator

ALL



Program

Family Code	PP	Parameter Selection	Option Code
 GS1 Data Separator	SS MS	None ◀ User-defined character (1~2 characters)	FIN [00-7F], [FIN]

GS1 Data Separator: When enabled, the user-defined character appears at the second dividing position between data sections within an element string if there are three or more data sections.

For example, data field ITIP (AI 8006) has a format of N4+N14+N2+N2. If you set the comma (2Ch) as the GS1 Data Separator and enables AI transmission, the scanner actually transmits out (800) N14, N2, N2 for the specific element string.

To enter the character(s), refer to the **HEX to ASCII Conversion Table** below:

L \ H	0	1	2	3	4	5	6	7
0	NUL	DLE	SPACE	0	@	P	'	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	*	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	\$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL

