

LABEL DESCRIPTION LANGUAGE

ESSAE TERAOKA LIMITED

Document Revision History

- 1. Print status is added(sw ver 55.05)**
- 2. Barcode Flag is added in ~V(sw ver 55.05)**
- 3. Bill Text added in !V(sw ver 55.06)**
- 4. Bill Text ‘t’ added in BarcodeVariable(sw ver 55.06)**

I. General command format

Command, x location, y location, angle, font, x magnify, y magnify data, width, offset, lines, line spacing, mode

II. Mode options

C - Clear
F - Fill
W-Write
X - Xor
I – Invert
U- Underline
E-Enhanced(bold)
S-Strike Through

Note: Selected options are available based on command. If invalid option is given it is ignored.

III. Justify options

N – No justification
L - Left
C - Centre
R – Right (with character 0, # etc, space is default)

IV. Print Direction

N- Normal
U - Upside down

V. Data Type:

C – Char
I – Integer
L - Long
F – Float
D – Double
S – String
B - Binary

VI. Font Options

FONT 1 – 12*24

FONT 2 – 9*17

VII. Bitmap File Types:

N – NV file name should be no 1- 10
B – BIT MAP file

VIII. POINTS:

1. The length is zero, ct data length is taken.
2. CR and LF ends the command

IX. Print Status:

0 – No
1 – All
2 – WEIGH
3 – PCS
4 – WEIGH & Special Price
5 – PCS & Special Price

BECAUSE OF ANGLE, THE DIMENSION OF ITEM, BARCODE, IMAGE WILL NOT CHANGE

X. COMMANDS DETAILED

1. Label Size

Command, width [mm], length [mm], gap [mm], label no [1-99]
~S, 54, 37,2,1

2. Text

Command, x location [mm], y location [mm], angle [0: 90:180:270], font [1:2], x magnify [1-6], y magnify [1-6], text, data length, offset, justify [N: L: C: R], lines, line spacing [mm], mode[C: F: W: X: I: U], **Pint Status[0-5]**

~T, 10, 20, 0, 1, 1, 1, “data to be printed”, 25, 0, N, 1,4, W, 1

3. Variable Text

Command, x location [mm], y location [mm], angle [0: 90: 180: 270], font [1: 2], x magnify [1-6], y magnify [1-6], data ID, data, data length, offset, justify [N: L: C: R], lines, line spacing [mm], mode[C: F: W: X: I: U], **Pint Status[0-5]**

~V, 10, 20, 0, 1, 1, 1, 6, 25, 0, N, 1, 4, W, 1

data is optional and will be used by app sw.

Data ID

1	PLU No	21	Department no	41	Discount name	61	BC fld2 condition	81	Scale name
2	PLU Name	22	Department name	42	Discount Type	62	BC fld2 shift	82	Scale Capacity
3	PLU Code	23	Tax no	43	Discount first target	63	Ingredient no	83	Scale Accuracy
4	gUOM	24	Tax Name	44	First Discount	64	Ingredient name	84	Current Date
5	PLU Unit Price	25	Tax Type	45	Discount Second target	65	Ingredient I1 – I15	85	No of Items
6	Spl Unit Price	26	Tax Rate	46	Second Discount	66	Message no	86	Total Amount
7	Unit Price Qty	27	Operator no	47	Discount days	67	Message name	87	Total Quantity
8	PLU tare weight	28	Operator Name	48	Discount begin	68	Message text	88	Total Weight
9	Fixed price	29	Operator password	49	Discount end	69	Current Net weight	89	Total Quantity or Total Weight
10	Packed date	30	Header1	50	Tare no	70	Current Tare weight	90	Total Tax
11	Packed time	31	Header2	51	Tare name	71	Current Gross Weight	91	Total Discount
12	Sell By date	32	Header3	52	Tare value	72	Weight or Quantity	92	Today Bill no
13	SellBy time	33	Header4	53	Barcode no	73	Actual Unit Price	93	Total Price(item label)
14	Use by date	34	Header5	54	Barcode Name	74	Image no	94	UOM
15	Useby time	35	Footer1	55	Barcode Type	75	Image File name	95	Barcode Flag
16	Minimum	36	Footer2	56	Barcode Data	76	Label Date time	96	Bill Text
17	Target	37	Footer3	57	Barcode Fld1	77	Label design no	97	
18	Maximum	38	Footer4	58	BC fld1 condition	78	Label File Name	98	
19	Group no	39	Footer5	59	BC fld1 shift	79	Bill no	99	
20	Group name	40	Discount no	60	Barcode fld2	80	Scale no	100	

4. **Barcode**

Command, x location [mm], y location [mm], angle [0, 90, 180, 270], HRI font [1, 2], barcode width [**0.125, 0.250, 0.375, 0.500, 0.625**], barcode height [mm], **data**, data length, offset, justify [N: L: C: R], **barcode type [EAN13, CODE128, CODE128A, CODE128B, CODE128C:QRCODE]**, HRI position [N: T: B: 2], mode[C: F: W: X: I] , **Pint Status[0-5]**,

Note: **barcode type [EAN13, CODE128, CODE128A, CODE128B, CODE128C]**, **data – optional and used by app sw.**

~B, 10, 20, 0, 1, 0.250, 20,"123456789012", 12, 0, N, "EAN13", B, W, 1

~B,10,20,0,1,0.250,15,123456789012,12,0,N,CODE128,2,W, 1

5. **Bitmap File**

Command, x location [mm], y location [mm], angle [0: 90:180:270], x magnify [1-2], y magnify [1-2], x size [mm], y size [mm], file name, Type [L -**LOGO image**, **B- Bit map, R-Raster**], mode[C: F: W: X: I:U] , **Pint Status[0-5]**

~F, 10, 20, 0, 1, 1, 10, 10,001IMG01.BIT, B, W, 1

6. **Bitmap Data**

Command, x location [mm], y location [mm], angle [0:90:180:270], x magnify [1-2], y magnify [1-2], x size [mm], y size [mm], **Type [L -LOGO image, B- Bit map, R-Raster]**, mode[C: F: W: X: I: U], **Pint Status[0-5]**

Image data

CRLF

~d, 10, 20, 0, 1,15,25, R,W, 1

Bit map comes in next line.

7. **Clear Area**

Command, x location [mm], y location [mm], dx[mm], dy[mm], mode[C: F: W: X: I: U]

~A, 10, 20, 100, 200, C

8. **Intensity**

Command, level % [60 - 140]

~I,100

9. Rectangle

Command, x location, y location, angle, dx[mm], dy[mm], line width [mm], mode[C: F: W: X: I: U], **Pint Status[0-5]**

~R,0,0,10,10,2,W, **1**

10. Circle

Command, x location, y location, radius, line width, mode, **Pint Status[0-5]**

~C,0,0,10,10,2, **1**

11. Text File

Command, x location, y location, angle, font, x magnify, y magnify, text file name, char per line, offset, justify, lines, line spacing [mm], mode

~t,10,10, 0, 1, 1, "HEADER.TXT",15, 0, N, 5, 4, W, **1**

12. Escape Codes

Command, codes [20] (value 0 - 255)

~c,27,23,12

13. Delay

Command, delay in ms (5 - 5000)

~Y, 1000

14. Read Response

Command, data type, response, timeout in ms [5-5000]

~e, S, "NEW", 200

15. Print

Command, no of copies, print direction [N: U]

~P, 1, N

16. Line Spacing

Command, line spacing (mm)

~s,5

BARCODE:

If int / float always leading zero applied

BARCODE DATA VARIABLES:

A- TOTAL_AMOUNT
B – BILL NO
b – Today Bill no
C- PLU CODE
D- DEPARTMENT NO
E –TOTAL_WEIGHT
F – FLAG
G – GROUP NO
H – TOTAL_QUANTITY
I – TOTAL_TAX
J – TOTAL_DISCOUNT
K- CURRENT DATE
k – Label date
L – PLU NO
M - UOM
N - NO OF ITEMS
n - Machine No
O – OPERATOR NO
P – TOTAL PRICE
Q – QUANTITY ONLY (if weigh 0)
R – DISCOUNT NO
S – Special CHECKSUM 5 digit unit price
s – Special checksum 4 digit unit price
T – TAX NO
T - Bill Text
U – UNIT PRICE
V - Special Checksum 5 digit weight or quantity
v – Special Checksum 4 digit weight or quantity

W –WEIGHT ONLY (if non-weigh 0)
X –WEIGHT OR QUANTITY
Y - CURRENT TIME
y - Label time
Z – MACHINE NO
% - PRINT NEXT string”

The number before the data variables specifies the no of characters. It can range from 1 to 99.

EXAMPLES

1F 6C 5P 1S	- SPENCERS
1F 7C 4X 1S	- SPENCERS
1F 5C 6X 1S	- SPAR
2F 6C 5X 5P 1S	- HERITAGE
2F 6C 5X 5P	- TRINETRA (NO 1S!)
2F 6C 5X 6P	- OCEANIC (NO 1S!)
18C 6X	- INDIA BULLS (NO 1S!)
3F 13C 5X 1S	- RELIANCE
2F 13C 5P 5X 1S	- RELIANCE
2%74 6C 5X	- More megastore

0, 0

Angle

Print start position is top left

Print develop position is bottom left

0

A0_x, A0_y, A0_dx, A0_dy

90

A90_x = A0_x
A90_y = A0_y-A0_dx
A90_dx = A0_dy
A90_dy = A0_dx

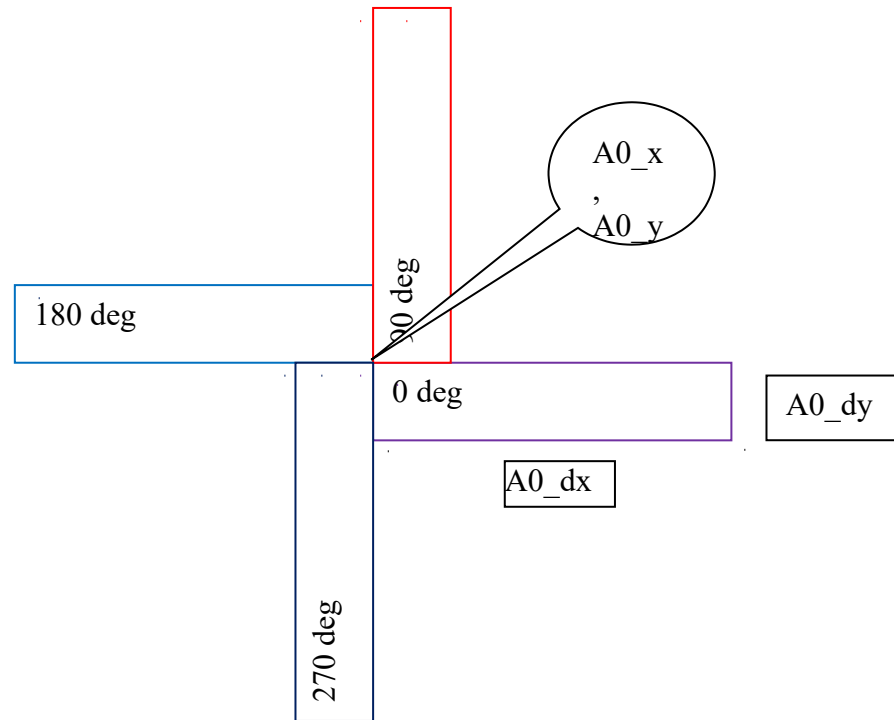
180

A180_x = A0_x-A0_dx
A180_y = A0_y-A0_dy
A90_dx = A0_dx
A90_dy = A0_dy

270

A270_x = A0_x-A0_dy
A270_y = A0_y
A270_dx = A0_dy
A270_dy = A0_dx

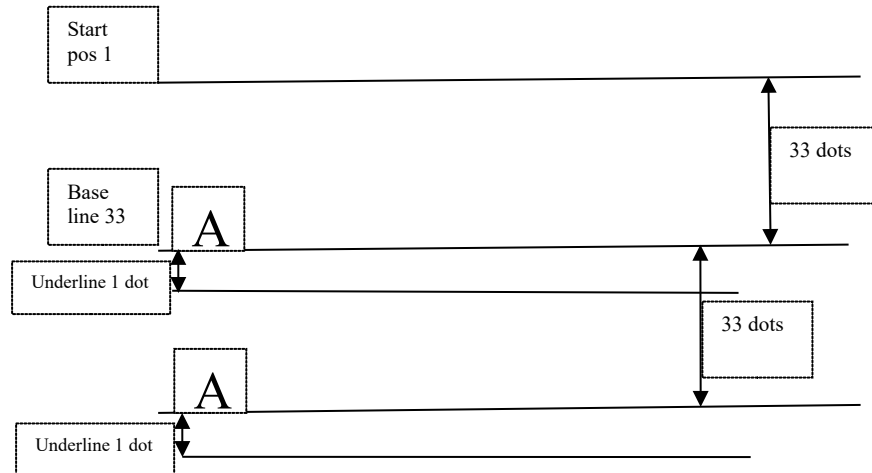
Note: width and height remains same irrespective of angle



P
a
p
e
r
f
e
e
d

LINE SPACING & UNDERLINE POS

Default spacing is 33 dot lines



Barcode placing

Barcode is placed at base line, if HRI is enabled at bottom, then 3 dot gap, then height of selected font. If top HRI is enables

