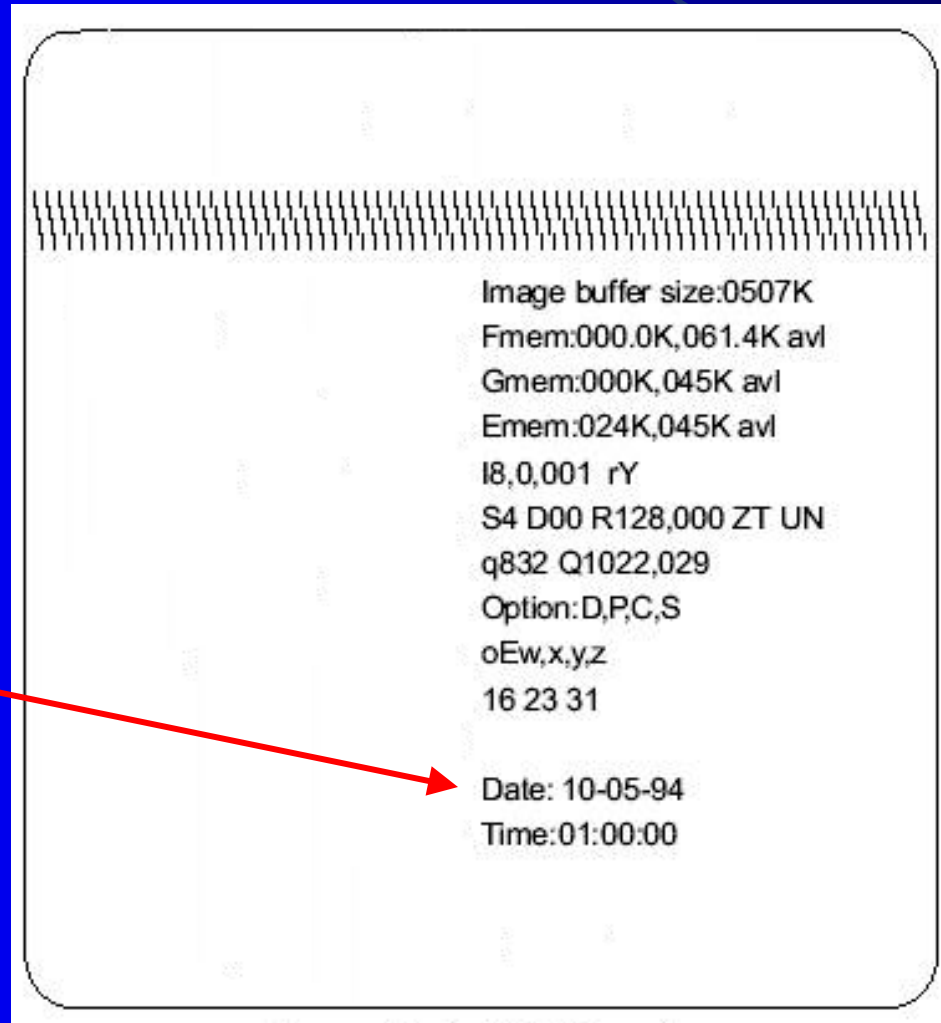# EPL for Real Time Clock

8-7-03

Introduction

- The Real Time Clock option allows the user to print the time and date generated from the printers internal clock onto the labels.

- This presentation will explain how to invoke the time and date to print onto a label using EPL2
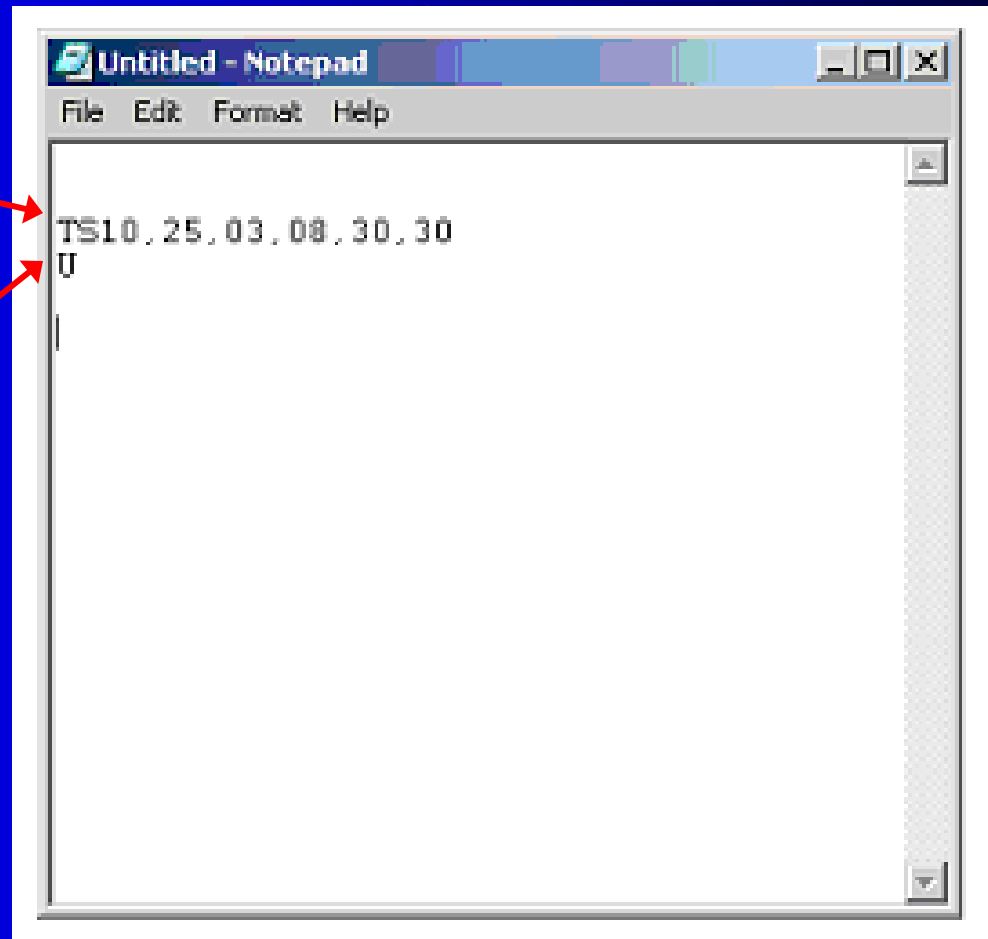
If the configuration label shows the time and date then the printer has the Real Time Clock option installed

Image buffer size:0507K
Fmem:000.0K,061.4K avl
Gmem:000K,045K avl
Emem:024K,045K avl
I8,0,001 rY
S4 D00 R128,000 ZT UN
q832 Q1022,029
Option:D,P,C,S
oEw,x,y,z
16 23 31

Date: 10-05-94
Time:01:00:00

TS is the EPL2
time set command

Sending the U command
will print a config label
showing the time you just
set with the TS command

TS10,25,03,08,30,30
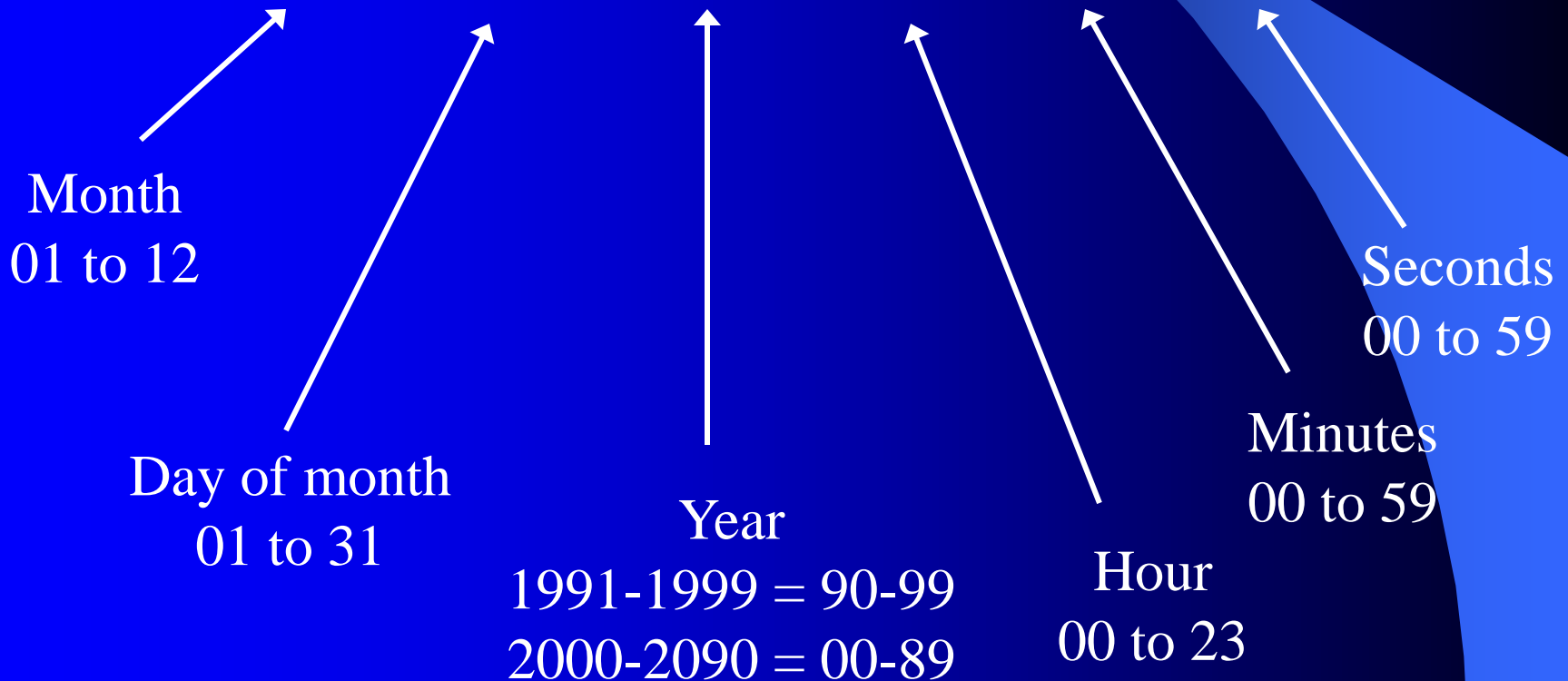U

```
Untitled - Notepad
File  Edit  Format  Help

TS10,25,03,08,30,30
U
```

Breakdown of the TS command

- TSp1,p2,p3,p4,p5,p6

Month
01 to 12

Day of month
01 to 31

Year
1991-1999 = 90-99
2000-2090 = 00-89

Hour
00 to 23

Minutes
00 to 59

Seconds
00 to 59

Clock is set

- Now that the TS command has been sent to the printer it will not need to be sent to the printer again unless something occurs that corrupts the time date or there is a necessity to change the time date.

- Check the printer model configuration number to determine if the printer has the real time clock option.

- Print a Autosense config label to see the time date…that will also tell you if it has that option.

TD command (define date layout)

TDp1,p2,p3

value	description
y2	Year displayed as 2 digits (95)
y4	Year displayed as 4 digits (1995)
me	Month displayed as 3 letters (JAN)
mn	Month displayed as 2 digits (01)
dd	Day displayed as 2 digits (15)

Examples:
- TDme/dd/y4 = JAN/15/1995
- TDmn-dd-y2 = 01-15-95
- TDy4,me,dd = 1995,JAN,15
- TDdd-me-y4 = 15-JAN-1995

EPL script with date included

Defines the TD layout

N
TDme/dd/y4
A50,50,0,4,1,1,N, "Expires:"
A50,100,0,4,1,1,N,TD
P1

This line tells it
where to print date
and in what font style

Expires:
OCT/25/2003

TT command (define time layout)

$$TTp1,p2,p3+ = h,m,s$$

The + inserts AM or PM into the printed time
Remove the + to print 24 hour time….example 16:30:20

Examples:

- TTh:m:s+ = 11:30:26PM
- TTh:m+   = 11:30PM
- TTh:m:s   = 11:30:26

EPL script with time included

Defines the TT layout

N

TTh:m:s+

A50,50,0,4,1,1,N, "Post Time:"

A50,100,0,4,1,1,N,TT

P1

This line tells it where to print the time and in what font style

Post time:
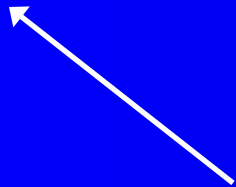01:45:51PM

Each label had the same time using P3

N

TTh:m:s+

A50,50,0,4,1,1,N, "Post Time:"

A50,100,0,4,1,1,N,TT

P3

Post time:
01:45:51PM

Post time:
01:45:51PM

Post time:
01:45:51PM

Each label got a different time when sending multiple formats…seconds incremented

- N
- TTh:m:s+
- A50,50,0,4,1,1,N, "Post Time:"
- A50,100,0,4,1,1,N,TT
- P1
- N
- TTh:m:s+
- A50,50,0,4,1,1,N, "Post Time:"
- A50,100,0,4,1,1,N,TT
- P1
- N
- TTh:m:s+
- A50,50,0,4,1,1,N, "Post Time:"
- A50,100,0,4,1,1,N,TT
- P1

Post time:
01:45:51PM

Post time:
01:45:52PM

Post time:
01:45:53PM

Sample EPL with time and date

N
TDme/dd/y4
TTh:m:s+
A50,50,0,4,1,1,N,"Expires:"
A50,100,0,4,1,1,N,TD
A50,150,0,4,1,1,N,"Post Time:"
A50,200,0,4,1,1,N,TT
P1

Layouts for date and time

These lines tell it where to print the time and date and in what font style

Expires::
OCT/25/2003
Post Time:
02:08:25PM

Where to Get More Information

- More information on the TD, TT, and TS commands can be found in the EPL2 programming guide.

- Check the printer configurators to see if the Real Time Clock feature is available for a given model.