

PD300 SERIES

2 X 20 LCD

CUSTOMER DISPLAY

Rev. : A3



PD302



PD303



PD305

I. FEATURES

- Low profile customer display with display area 147 mm by 21 mm
- Two - line LCD display with 20 characters per line.
- Dark blue character with yellow green back-light
- Easy viewing characters (6.0 mm by 9.66 mm)
- Euro dollar sign supported in USA/European font table
- Simple installation using standard serial interface to computers
- Selectable command emulation modes including PST and EPSON command emulation modes
- Long life, trouble free and user friendly operation
- Tilt angle from 0° C to 90° C for best viewing effect (PD303 & PD305)
- Supports applications for desk top stand-alone (PD303), touch terminal rear top mount (PD302) and rear mount with swivel (PD305).

FCC NOTICE

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

WARRANTY LIMITS

Warranty will terminate automatically when the machine is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

ABOUT THIS MANUAL

This manual assists the user to utilize the LCD customer display PD300 series. This series covers several sub series for various applications. These series of products receive instructions in serial communication protocols and is capable of entering pass through mode so that all instructions received pass on to next connected serial device if properly configured.

The manufacturer of the PD300 series heartily apologizes to the user for reserving the right to change or to modify this manual without notice due to the rapid and constant progress and improvement on science and technology. The user may always obtain the most up to date information through any of our web sites: <http://www.posiflex.com.tw>, <http://www.posiflexusa.com>.

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II. MODEL NUMBERS

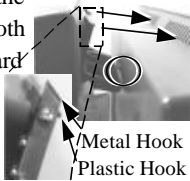

Font Table Used	USA/Europe	USA/Japan
Rear Top Mount for TP series, Charcoal	PD302C	PD302CJ
Stand Alone Desk Top model, Ivory	PD303	PD303JPN
Rear Mount for TP7000 series, Charcoal	PD305C	PD305CJ

III. INSTALLATION

Before Installing PD302 & PD305:


Separate the main unit from its stand assembly. Consult a qualified electronic engineer to prepare power for the PD302 or PD305 in the service window on rear side of the main unit and then reassemble the touch terminal.

PD302 Specific:

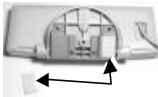
1. Aim the bottom center cavity of PD302 series toward the latch stub at rear of touch terminal main unit. Then aim both metal and plastic hooks at rear of the PD302 series toward the suitable ventilation openings on top rear of the main unit. Please use a phillips head driver to fasten the screws on the metal hook but not to overdo it so that the metal hooks hold the ribs of the ventilation holes from inside.
 
2. Plug the DB9 female connector to the COM port with power DC supply from the TP series. Please remove the COM1 terminator and save it at a safe place for future use if COM1 is to be used for PD302.
 
3. Route the cable to go through the notch on back of the stand assembly of touch terminal as indicated in the picture. Reassemble the main unit and stand assembly.

(Guidance for future un-installation: Please use screw driver to release the metal hook before removing PD302 from the ventilation holes.)

PD305 Specific:

Remove rear connect cover of the Posiflex TP7000 terminal per instruction of the terminal. Fix PD305 to the opening accordingly.
 

PD303:

1. Adhere the two pieces of EVA tape on the metal plates at bottom as indicated in picture at right. Peel off the protective covers of the tape to stick PD303 series on a flat and clean
 

- surface. Apply the screw for firm fixation if necessary.
2. Connect the DB9 female connector to the COM port of PC or POS system. Plug the male/female connector pair in between PS/2 KB and KB port of PC.



IV. COMMAND EMULATION MODE

EPSON COMMAND MODE (POWER ON DEFAULT):

COMMAND NAME	HEX CODES	FUNCTION
BS	<08>	Move Cursor Left
HT	<09>	Move Cursor Right
LF	<0A>	Move Cursor Down
HOM	<0B>	Move Cursor To Home Position
CLR	<0C>	Clear Display Screen
CR	<0D>	Move Cursor To Left Most Position
CAN	<18>	Clear Cursor Line
ESC =	<1B><3D><n>	Select Peripheral Device / Command Mode n=1 pass through (should not be used) n=2, 3 (not required) n=4 switch to PST command mode
ESC @	<1B><40>	Initialize Display
ESC t	<1B><74><n>	Disable / Enable Euro Dollar Sign n = 0, 19
US MD1	<1F><01>	Specify Overwrite Mode
US MD2	<1F><02>	Specify Vertical Scroll Mode
US MD3	<1F><03>	Specify Horizontal Scroll Mode
US LF	<1F><0A>	Move Cursor Up
US CR	<1F><0D>	Move Cursor To Right Most Position
US \$	<1F><24><n><m>	Move Cursor To Specified Position n = 1 ~ 20 m = 1, 2
US @	<1F><40>	Show Version
US B	<1F><42>	Move Cursor To Bottom Position
US C	<1F><43><n>	Cursor On / Off n = 1, 0
US E	<1F><45><n>	Blink Display Screen n = 0 ~ 255

PST COMMAND MODE:

HEX CODE	FUNCTION
<01>	Set Pass Through Flag (should not be used)
<06> <N ₁ > <N ₂ >	Change Leading Code
<14> <01>	Wraparound Mode (Default)
<14> <02>	Vertical Scroll Mode
<14> <03>	Insert Mode
<14> <04>	Overwrite Mode (Default)
<14> <08>	Back Space
<14> <09>	Move Cursor Right
<14> <0A>	Move Cursor Down
<14> <0B>	Move Cursor Left
<14> <0C>	Delete Character
<14> <0D>	Move Cursor To Left Most Position
<14> <0E>	Clear Display
<14> <10>	Clear Line 1
<14> <11>	Clear Line 2
<14> <12>	Cursor Block Mode
<14> <13>	Cursor Under Line Mode
<14> <15> <02>	Clear Pass Through Flag
<14> <16>	Switch To Epson Mode
<14> <17>	Cursor On
<14> <18>	Cursor Off
<14> <19>	Reset
<14> <1A> <P>	Move Cursor To Position P (P=0~13,14~27h)
<14> <1B>	Move Cursor To Rightmost Position Of Line 1
<14> <1C>	Move Cursor To Rightmost Position Of Line 2

Though the power on default of the PD300 series itself is the Epson command mode, the system may have changed the mode to this PST command mode after the whole power-on-self-test depending on the software system installed. It would be advisable for the programmer to check ahead.

The Euro Dollar Sign is designated at code <D5>h.