PE1 Printer Eliminator

User's Guide

Introduction

The PE1 Printer eliminator is designed to replace the conventional serial printer used on most checkweighers. Instead of having Average Weight reports printed, they are saved in a text file on the compact flash card that is plugged into the PE1.

Operation

Connect the power supply and serial port connector to the PE1. The green READY light will flash. Insert the Compact Flash card containing the config.txt file. If you insert a card without a config file the PE1 will create a default one, which may not be compatible with your checkweigher.
After 5 seconds the green, READY light will stop flashing and remain on.
Request a report from the checkweigher and watch the amber, DATA light. This will light while data from the checkweigher is being sent. The amber light will go out after 5 seconds following each report. The data received is appended to the named file on the Compact Flash Card. Therefore the file will grow in size with each report received. Whilst the is capacity for around 60000 reports in a single 128Mb CF card, it is suggested that you remove the CF card from the PE1 on a weekly basis. Copy the file to a Checkweigher Reports folder on your PC and delete the file on the CF card before inserting it back into the PE1.
Once the files have been stored on your PC, they can be opened with Windows Wordpad or Word.

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The card may be removed any time except when the amber light is on. A description of the various coloured light conditions follows:

Green, Amber, Red lights	**Action**
Green light flashing:	Requesting card to be Inserted or removed
Green light flashing and Amber light flashing:	Invalid config file. Check the config card contents.
Red Light flashing:	Cannot read card. Card not formatted or is greater than 128Mb, or less than 16Mb Replace the card with a new one containing a valid config file. Note: Do not format CF cards on your PC. The PE1 may not be able to read them.
Red light on:	Fatal error. Seek assistance.

The USB Card Reader

A USB compatible Compact Flash Card reader is supplied with the PE1. Follow the installation instructions supplied with the Card Reader.

Connecting Up the PE1

Make the RS232 connections to the PE1 using a 9 way D type socket. If an adapter cable has been supplied follow instructions with this cable.

PE1 DB9 Male Connector.

Pin.		
2	Receive data.	To Checkweigher ‘send data’.
3	Transmit data.	No Connection.
5	Signal ground.	To 0v/sig common on checkweigher.
7	RTS.	To (RTS/DTR) control line on checkweigher. This is the signal which flags paper empty.

A 230v AC / 9v DC mains adapter is supplied with the PE1. Connect the DC lead into the power inlet connector on the PE1.

PE1 Config file

The settings are made by entering commands in a text file called config.txt, which is placed on the CompactFlash Card. Using Windows Notepad construct a file containing commands from the list below and save it as config.txt.

baud=n	Values for n are: 19200,9600,4800,2400,1200
filename=f	Filenames are DOS format file names without the extension.
ext=e	File extensions are always three characters long. Do not included the dot(.).
Stamp=s	The current data and time may be added to the beginning of each report. S= yes for date stamping otherwise no.

A typical config file looks like this:

baud=1200
filename=Line1
ext=txt
stamp=yes

Do not add spaces before or within the commands.
Once the config.txt file has been read by the PE1 the setting will be stored in the PE1 internal flash memory.

Configuration via the Serial Port

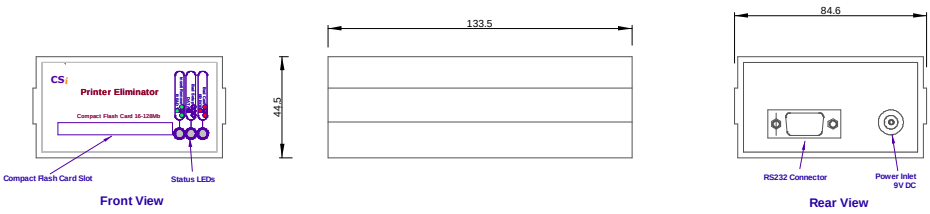
The PE1 may also be configured via the serial port. To do this you will need a PC with Windows Hyperterminal and a Null Modem cable (RS232 cable with D9 socket each end). Switch off the PE1, Connect your PC to the PE1 with the Null Modem cable and eject the Compact Flash Card.
Start Hyperterminsl at 9600 baud and witch on the PE1. When the green LED flashes, press ^C on your PC. This will bring up the config mode and put a '>' on the PC Screen. Enter the configuration commands as described above and press enter after each one. If you see the '?' character, this means the command was not understood. In addition to the above commands you can also set the calendar clock as follows:

date=01/02/2005

time=13:35

To finish the configuration session type exit and press enter.

Diagram



PE1 Dimensions

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