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DPT-EN2

Digital Programmable Timer

DPT-EN2

HARDWARE FEATURES

- **120 timers per day**
- **7 day week clock**
- **Clock accurate to ± 1 minute / year (battery backed)**
- **Programmable via standard RS-232 serial port**

HARDWARE CONNECTIONS

- **90 – 260 V AC (50 or 60 Hz) supply input terminals**
- **Single pole double throw relay terminals**
- **RS-232 serial port connector (female)**

HARDWARE INDICATORS

- **READY LED**
- **OUTPUT ON LED**
- **POWER LED**

DPT-CONSOLE

SOFTWARE DESCRIPTION

The DPT-EN2 is supplied with DPT-CONSOLE, a Microsoft® Windows based graphical user interface software, which allow the easy creation of scheduled events that activates the DPT-EN2's output relay.

With the Schedule Details option, DPT-CONSOLE allows you to create up to 120 individual events per day in a 7-day cycle. During this process, you will be able to define all relevant options, such as Pulse Time duration (in seconds), and a specific time (HOUR:MINUTE) at which the DPT-EN2's output should be activated. A printable report allows documentation of the schedule details.

DPT-CONSOLE also allow the selection of the configured RS-232 port, and the automatic detection of the DPT-EN2, if connected. A status report offers information on the connected hardware, and the unit's Day/Time setting. It also allows the synchronization of the Date/Time to make sure that the DPT-EN2's onboard clock is synchronized with your PC's current BIOS date/time.

An "Activate / De-Activate" Software icon allow you to enable or disable the DPT-EN2 from the connected PC.

After downloading and testing, the DPT-EN2 can be disconnected from the PC, and installed on site.

DPT-EN2 DATASHEET AUGUST 2004

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DPT-CONSOLE

SOFTWARE REQUIREMENTS

- **Requires an IBM PC/AT Compatible Computer**
 - Available Serial Port
- **Recommended Platforms:** IBM-compatible PC running Windows XP, Windows 2000, NT4 SP3+, ME* or 98SE* at a minimum screen resolution of 800x600 (Small Fonts).

* NOTE: DPT-CONSOLE has been tested successfully on alternative Microsoft Windows platforms, but ALFTECH makes no recommendation of the use of such alternatives. Only LIMITED support is provided if the DPT Products are installed or connected to such alternatives.

DPT-EN2 Electrical Specifications

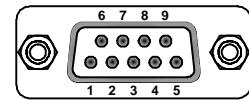
PARAMETER	CONDITION	VALUE
Power supply voltage		90 – 260 V AC
Supply current	220 V AC, 50 Hz	< 40 mA
Relay Contact Current		8 A
Battery Backup time	Power removed	±16 days
Real Time Clock Accuracy	0 °C to +40 °C	±1 Min/Year
Serial Baud Rate		9600
Replacement Fuse	Power	0.25 A Slow Blow
Replacement Fuse	Relay	8 A Slow Blow
Replacement Battery		3.6 v Rechargeable

DPT-EN2 Serial Connections

NOTE: A 1.8 m RS-232 cable is included as standard.

The signals for the 9-pin RS-232 port on the DPT-EN2 are listed below.

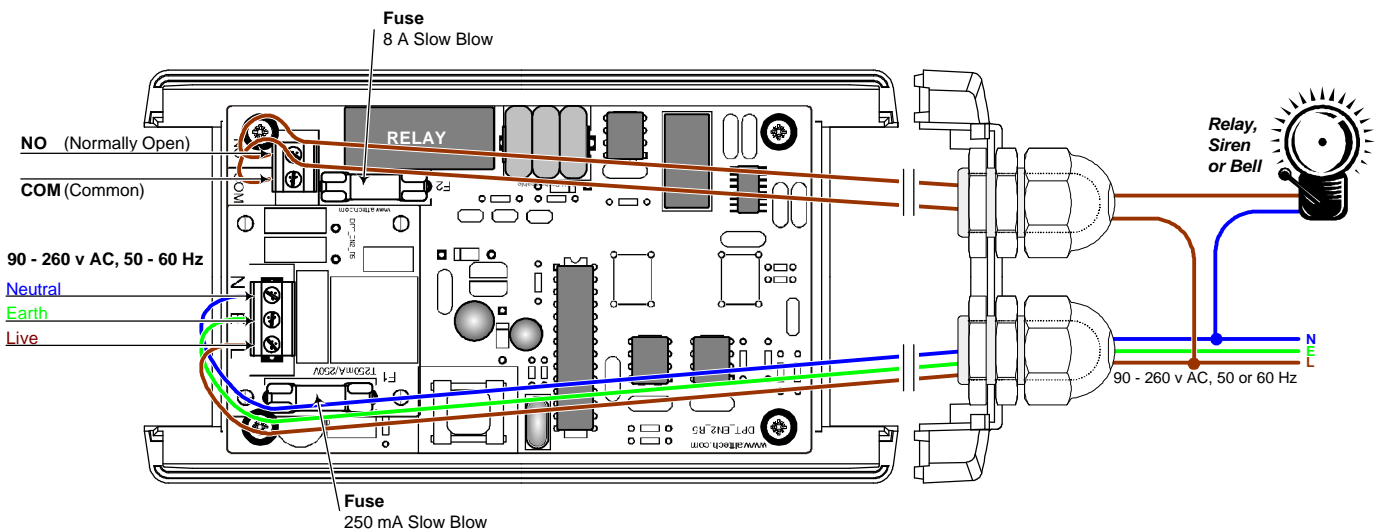
Pin Number	Signal
2	Transmit Data (to PC)
3	Receive Data (from PC)
5	Signal Ground



The table below shows the pin-out of the suggested RS-232 cable used between a PC and the DPT. The cable used is a pin-to-pin cable, thus each wire is connected to the same pin on each connector.

Female connecting to PC	Male connecting to DPT
RS-232 Pin # 2	RS-232 Pin # 2
RS-232 Pin # 3	RS-232 Pin # 3
RS-232 Pin # 5	RS-232 Pin # 5

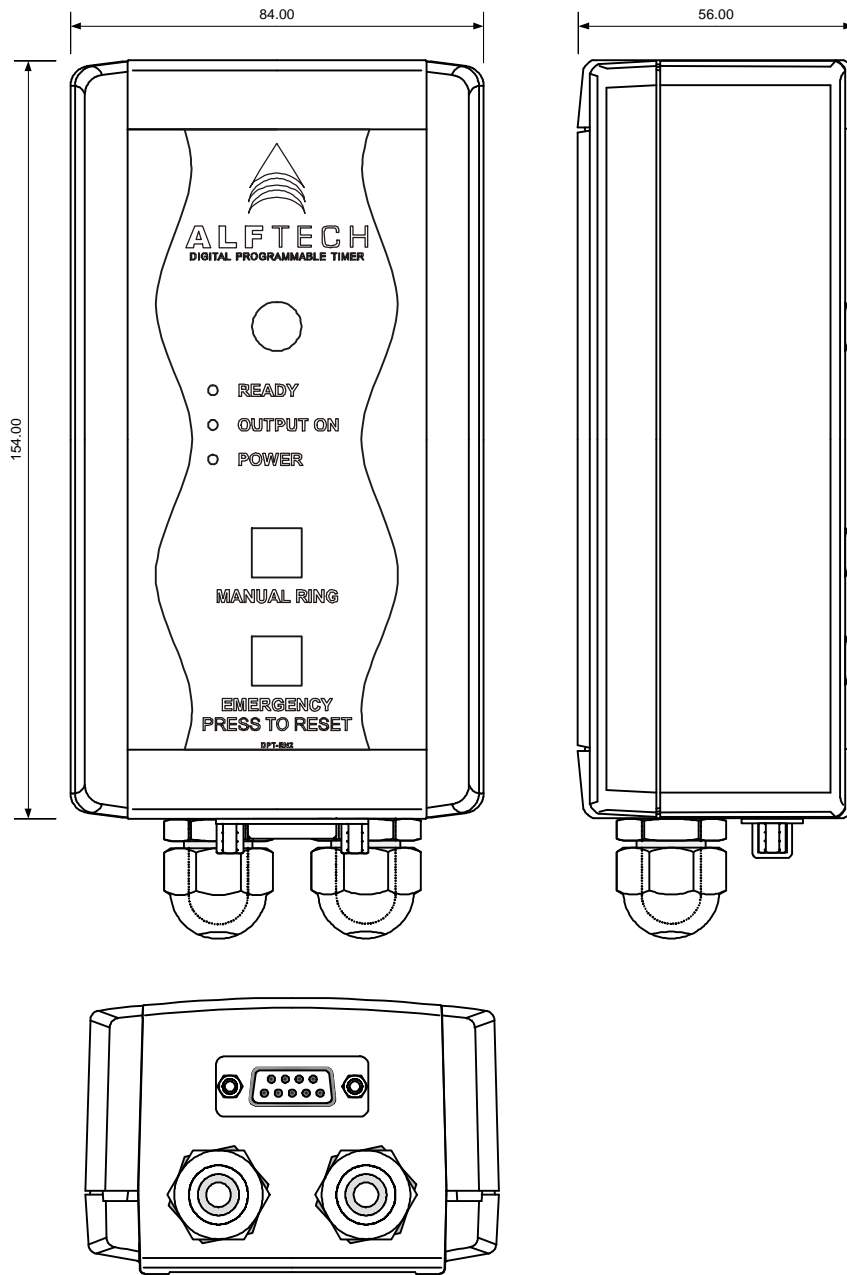
Example Power and Relay Connections



PHYSICAL LAYOUT AND DIMENSIONS

DPT-EN2

(All Dimensions in mm)



Wall mounted Clip-on bracket

A Wall mounted Clip-on bracket is provided with your DPT-EN2. This bracket can be securely attached to the wall by drilling two 6 mm holes spaced 76 mm vertically into the wall. Insert the two wall-mount plugs into the 6 mm holes and screw the bracket securely onto the wall.

