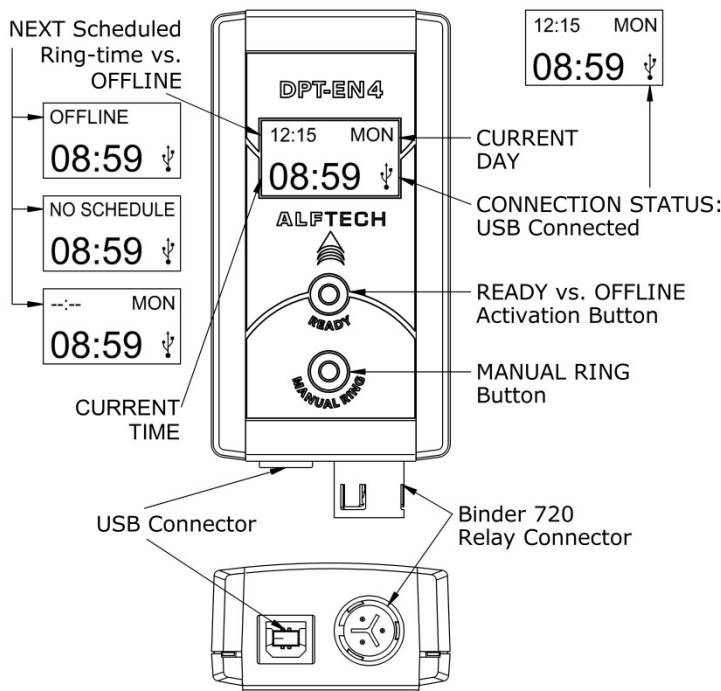


DPT-EN4 Product Installation Sheet

For more detailed instructions, please refer to the documents: *DPT-EN4 Installation Manual.pdf*, and *DPT-EN4 Users Guide.pdf*, found on the accompanied product CD-ROM.

DPT-EN4 Front Panel & Connectors



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REFERENCE	STATUS	DESCRIPTION
The LCD Display appears BLANK	BLANK LCD	The DPT-EN4 is unpowered, however the internal clock is battery powered and will retain the time as set & schedule as programmed for years.
READY vs. OFFLINE vs. NO SCHEDULE	08:59	READY: The DPT-EN4 automatically displays the next Schedule Ring-time when online, and will activate the Output Relay at the Scheduled Ring-time as indicated.
	OFFLINE	The DPT-EN4 will not activate the Output Relay. Press the READY Button to activate the DPT-EN4 and to run the programmed and downloaded 7-day Schedule. NOTE: If the DPT-EN4 remains OFFLINE when the READY Button is pressed, it indicates that no valid schedule has been downloaded, and the LCD will keep on displaying NO SCHEDULE. Please upload a schedule with the DPT-CONSOLE software application.
	NO SCHEDULE	The DPT-EN4 has not been programmed and NO SCHEDULE has been downloaded. Install the accompanied DPT-CONSOLE software onto the connected PC, and RUN the DPT-CONSOLE software to create a new Schedule, and download to program the DPT-EN4.
	--:--	All scheduled Ring-Times have been activated for this day. At 00:00 the following day's Ring-Times will be displayed if so programmed.
CURRENT DAY	Mon... Sun	The DPT-EN4 automatically displays the current weekday when READY. Day 1 is Monday, Day 7 is Sunday.
CONNECTION STATUS	USB	The DPT-EN4 is connected and powered via the attached USB Cable.
MANUAL RING Button	When Pressed	Will activate the Output Relay as long as pressed.
CURRENT TIME	As Displayed	Display the DPT-EN4 internal clock time. To ensure accurate Output Relay activation, you have to ensure that the DPT-EN4's time is set correctly. The DPT-EN4's internal clock is programmed from the connected PC with the accompanied DPT-CONSOLE software.
USB Connector	Connected	The DPT-EN4 is powered and programmed via the connected USB Cable. Removing the USB cable will interrupt the supply power to the DPT, but its internal battery retains the time & schedule as programmed.
BINDER 720 Connector	Connected	Connects the DPT-EN4 Output Relay to the external circuit. Removing the OUTPUT RELAY Connection will cause the system not to be activated as Scheduled.

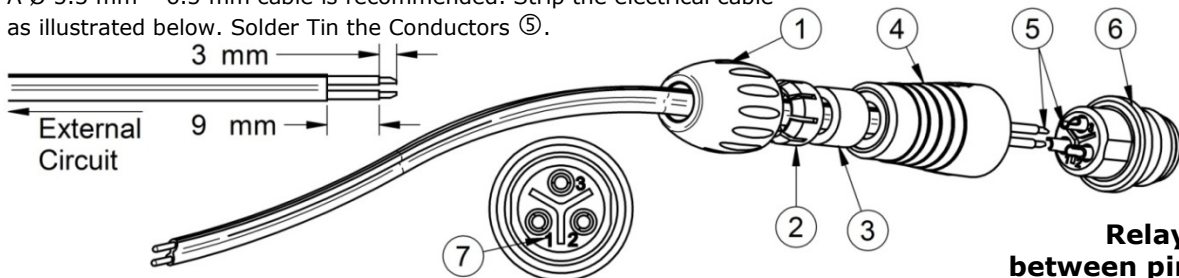
DPT-EN4 Electrical Specifications

PARAMETER	CONDITION	VALUE
Power supply voltage	Connected to PC	USB, or "powered" USB Hub
Supply current	USB	< 70 mA
Relay Contact Current		7 A
Backup Battery (Lithium Cell)	Powers internal clock only	>5 years
Real Time Clock Accuracy	0 °C to +40 °C	±2 Min/Year

Installing the DPT-EN4

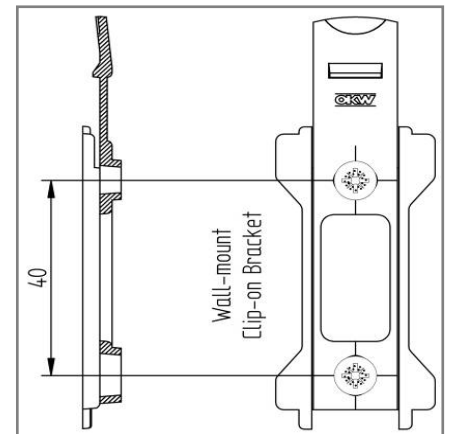
Always refer to the SAFETY INSTRUCTIONS found in the *DPT-EN4 Installation Manual* on the accompanied product CD-ROM. The DPT-EN4 and external circuitry must only be installed and maintained by qualified service personnel.

1. Prepare for the DPT-EN4 installation & connection by preparing the external circuit layout and wiring beforehand. Please refer to the *DPT-EN4 Product Datasheet.pdf* and *DPT-EN4 Installation Manual.pdf* found on the accompanied product CD-ROM for example wiring circuit & connection diagrams.
2. Remove the timer from its packaging and disassemble the Binder Series 720 Connector.
 - 2.1 A Ø 5.3 mm – 6.5 mm cable is recommended. Strip the electrical cable as illustrated below. Solder Tin the Conductors ⑤.



Relay contacts between pin 1 and 2.

- 2.2 Slide the Collet Nut ① and then the Collet ②, Seal ③ and Sleeve ④ onto the Cable. Note the location of Pin # 1 and 2 as illustrated ⑦, and solder the cable's conductors ⑤ only into Pin # 1 and 2 of the contacts ⑤ of the Insulator ⑥.
- 2.3 Push the Sleeve ④ forward and tighten it securely against the Insulator ⑥. Slide the Collet Nut ① over the Collet ② and tighten securely against the Seal ③ and Sleeve ④.
3. If the unit is wall mounted, drill the holes in the wall, using a 6 mm (± ¼") drill. Insert the plugs & screws provided to mount the Wall-mount bracket, and tighten securely.
4. Make sure that the BINDER 720 Connector is pushed in all the way. **Do not insert the USB Connector** before installing the DPT-Console application software.
5. Please affix the *DPT-EN4 at-a-Glance* SHEET next to the DPT-EN4 for the end-user's convenience and to ease the interaction and understanding of the DPT-EN4.



Installing the DPT-CONSOLE Software and DPT-EN4 USB Driver

The accompanied Software requires Microsoft Windows XP SP2, Vista, Server 2003 R2 or later. Before installing DPT-CONSOLE, please refer to the *ReadMe.rtf* text file located on the installation CD-ROM for the most current updates & information. The installation requires about 12 MBytes of hard disk.

1. Ensure that the DPT-EN4's USB Cable is disconnected.
2. To launch the setup utility for your operating system, insert the CD-ROM into the CD drive.
3. To start the installation click on the Start menu, click Run.
4. Type x:\SETUP.EXE, where x: identifies the CD drive.
5. Press Enter or click the OK Icon. The InstallSHIELD® dialog opens and will take you through the software installation step-by-step. Minimal interaction is required.
6. Once the DPT-CONSOLE Software installation is complete, connect the DPT-EN4 by inserting the USB Connector. A "Welcome to the Found New Hardware Wizard" dialog appears.
7. Select "No, not this time: and Click Next>.
8. Ensure that "Install the software automatically (Recommended)" is enabled, and click Next>. Windows will search for the USB Serial Convertor driver on the DPT-CONSOLE Installation CD-ROM.
9. Select the "ftdibus.inf" driver in the ...drivers\windows x32\ folder (for Windows XP). Click Next>
10. Then click Finish to complete the USB Serial Convertor driver installation.
11. The "Welcome to the Found New Hardware Wizard" dialog appears again.
12. Select "No, not this time: and Click Next>.
13. Ensure that "Install the software automatically (Recommended)" is enabled, and click Next>. Windows will search for the USB Serial Port driver on the DPT-CONSOLE Installation CD-ROM.
14. Select the "ftdiport.inf" driver in the ...drivers\windows x32\ folder (for Windows XP). Click Next>
15. Then click Finish to complete the USB Serial Port driver installation. Windows XP will require that you reboot your PC.

THIS COMPLETES THE SOFTWARE & HARDWARE CONNECTION INSTALLATION PROCESS.

Running DPT-CONSOLE

Once successfully installed, DPT-CONSOLE can be started by selecting the Start Menu, click Programs, click on the DPT Folder and finally click on DPT-CONSOLE. A short-cut Icon will also be placed on your PC's desktop, which can be double-clicked to start DPT-CONSOLE.

Please refer to the *DPT-EN4 Users Guide.pdf*, found on the accompanied product CD-ROM for details on creating a schedule, and downloading and programming the DPT-EN4.



DPT-Console