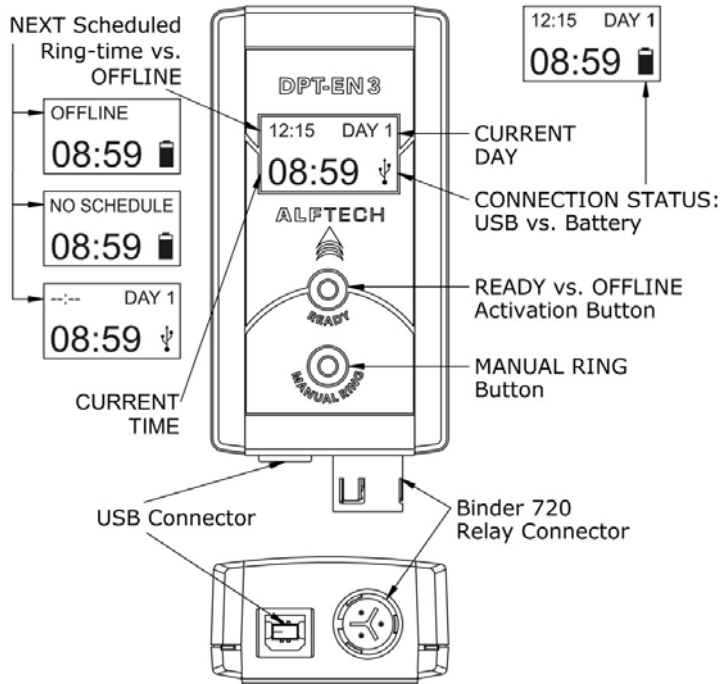


# DPT-EN3 Product Installation Sheet

For more detailed instructions, please refer to the documents: *DPT-EN3 Installation Manual.pdf*, and *DPT-EN3 Users Guide.pdf*, found on the accompanied product CD-ROM.

## DPT-EN3 Front Panel & Connectors



**ALFTECH**  
YOUR PARTNER IN INDUSTRIAL INNOVATION

### Corporate Headquarters

Address (Physical): 30 Irene Ave., Somerset West, 7130, CAPE, South Africa  
Address (Postal): PO Box 1718, Somerset West, 7129, CAPE, South Africa  
Telephone: +27-21-852-5221  
Fax: +27-21-852-8111  
E-Mail: info@alftech.com

### Technical Support

E-Mail: support@alftech.com  
www: www.alftech.com

REFERENCE	STATUS	DESCRIPTION
<b>READY vs. OFFLINE vs. NO SCHEDULE</b>	08:59	READY: The DPT-EN3 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-EN3 will not activate the Output Relay. Press the READY Button to activate the DPT-EN3 and to run the programmed and downloaded 7-day Schedule. NOTE: If the DPT-EN3 remains OFFLINE when the READY Button is pressed, it indicates that the on-board batteries have run down completely, and the internal clock has reset. Please UPDATE the DPT-EN3's time from the DTP-CONSOLE software application.
	NO SCHEDULE	The DPT-EN3 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-EN3.
	--:--	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.
<b>CURRENT DAY</b>	DAY 1... DAY 7	The DPT-EN3 automatically displays the current weekday when READY. Day 1 is Monday, Day 7 is Sunday.
<b>CONNECTION STATUS</b>	USB	The DPT-EN3 is connected and powered via the attached USB Cable.
	Battery	The USB Cable is removed, or the attached PC is switched OFF. The DPT-EN3 provides ± 7 days of Battery powered operation. Thereafter, it will automatically return to OFFLINE mode, to conserve power. When re-connected (and powered), it will automatically return to READY mode, and recharge the batteries.
<b>MANUAL RING Button</b>	When Pressed	Will activate the Output Relay as long as pressed.
<b>CURRENT TIME</b>	As Displayed	Display the DPT-EN3 internal clock time. To ensure accurate Output Relay activation, you have to ensure that the DPT-EN3's time is set correctly. The DPT-EN3's internal clock is programmed from the connected PC with the accompanied DPT-CONSOLE software.
<b>USB Connector</b>	Connected	The DPT-EN3 is powered and programmed via the connected USB Cable. Removing the USB cable will interrupt the supply power to the DPT, and its battery will run down.
<b>BINDER 720 Connector</b>	Connected	Connects the DPT-EN3 Output Relay to the external circuit. Removing the OUTPUT RELAY Connection will cause the system not to be activated as Scheduled.

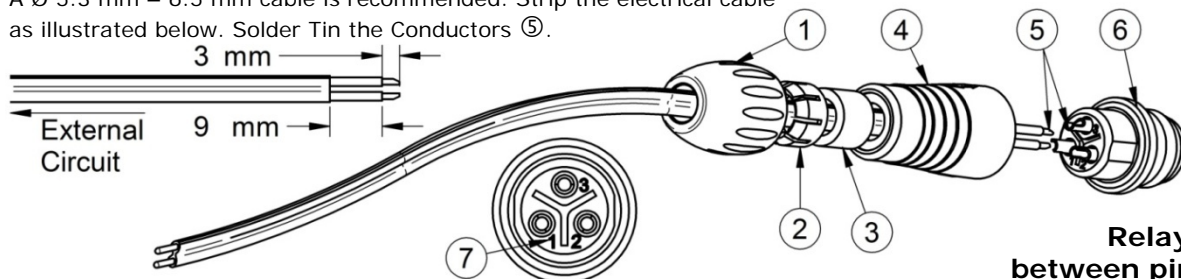
## DPT-EN3 Electrical Specifications

PARAMETER	CONDITION	VALUE
Power supply voltage	Connected to PC	USB, or "powered" USB Hub
Supply current	USB	< 30 mA
Relay Contact Current		7 A
Battery Backup time	USB removed	±7 days
Real Time Clock Accuracy	0 °C to +40 °C	±2 Min/Year
Replacement Fuse	Relay	8 A Slow Blow
Replacement Battery		3.6 v Rechargeable (3 x 1.2 volt Nickel Metal Hydride AAA)

### Installing the DPT-EN3

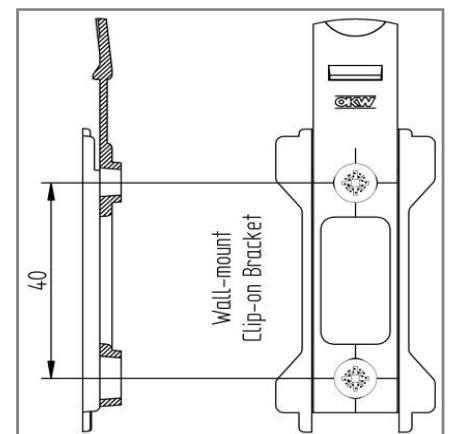
Always refer to the SAFETY INSTRUCTIONS found in the *DPT-EN3 Installation Manual* on the accompanied product CD-ROM. The DPT-EN3 and external circuitry must only be installed and maintained by qualified service personnel.

- Prepare for the DPT-EN3 installation & connection by preparing the external circuit layout and wiring beforehand. Please refer to the *DPT-EN3 Product Datasheet.pdf* and *DPT-EN3 Installation Manual.pdf* found on the accompanied product CD-ROM for example wiring circuit & connection diagrams.
- Remove the timer from its packaging and disassemble the Bender Series 720 Connector.
  - 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.

- 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.
- 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.
- 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.
- 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.
- Please affix the *DPT-EN3 at-a-Glance* SHEET next to the DPT-EN3 for the end-user's convenience and to ease the interaction and understanding of the DPT-EN3.



### Installing the DPT-CONSOLE Software and DPT-EN3 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.

- Ensure that the DPT-EN3's USB Cable is disconnected.
- To launch the setup utility for your operating system, insert the CD-ROM into the CD drive.
- To start the installation click on the Start menu, click Run.
- Type x:\SETUP.EXE, where x: identifies the CD drive.
- 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.
- Once the DPT-CONSOLE Software installation is complete, connect the DPT-EN3 by inserting the USB Connector. A "Welcome to the Found New Hardware Wizard" dialog appears.
- Select "No, not this time: and Click Next>".
- Ensure that "Install the software automatically (Recommended)" is enabled, and click Next>. Windows will search for the USB Serial Converter driver on the DPT-CONSOLE Installation CD-ROM.
- Select the "ftdibus.inf" driver in the ...drivers\windows x32\ folder (for Windows XP). Click Next>
- Then click Finish to complete the USB Serial Converter driver installation.
- The "Welcome to the Found New Hardware Wizard" dialog appears again.
- Select "No, not this time: and Click Next>".
- 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.
- Select the "ftdiport.inf" driver in the ...drivers\windows x32\ folder (for Windows XP). Click Next>
- 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-EN3 Users Guide.pdf*, found on the accompanied product CD-ROM for details on creating a schedule, and downloading and programming the DPT-EN3.



DPT-Console