DINTEK

DLP-010

Operating the DLP-010 Thermal Transfer Printer

User Manual

Table of contents

1 For your safety

Read this user manual carefully and keep it to hand for future reference.

1.1 Designating the warning instructions

This is the safety alert symbol. It is used to alert you to potential personal injury hazards.
There are three key words for the severity of the potential injuries.

DANGER
Indicates a hazard with a high degree of risk. If the hazard is not avoided, it could result in death or a serious injury.

WARNING
Indicates a hazard with a medium degree of risk. If the hazard is not avoided, it could result in death or a serious injury.

CAUTION
Indicates a hazard with a low degree of risk. If the hazard cannot be avoided, then it could result in a minor or moderate injury.

This symbol, with the key word NOTE warns of actions that can result in material damages or malfunctions.

Here you can find additional information or further sources of reference.

1.2 User qualification

This user manual is directed at those persons who are familiar with the relevant safety concepts for handling electrical machines. Only persons who can commis-sion, operate, and maintain the device are entitled to use the device, as well as identify the hazards.

1.3 Field of application

The DLP-010 is a portable thermal transfer printer for industrial use. The thermal transfer printer prints self-adhesive and non-adhesive labels and heat-shrinkable tubes for marking electrical components.
The DLP-010 uses special material cartridges that contain the material as well as the corresponding ink ribbon. Only use material cartridges that are provided for the DLP-010.

1.4 Safety notes

Risk to operational reliability

Incorrect operation or modifications to the device can endanger your safety or damage the printer. Do not repair the product yourself. If the device is defective, please contact DINTEK.

Explosion hazard, fire hazard, and health hazard if batteries are used incorrectly.

- Only use dry batteries in a proper condition.
- Never damage the batteries (e.g., by throwing, pressing on the battery or using sharp objects). Never expose the batteries to high levels of heat (e.g., caused by fire or sunlight). Never let the batteries come in contact with moisture or salt water.
- Pay attention to the correct polarity when inserting the batteries.
- Only charge the battery in the DLP-010 or in the designated charger. Do not use any other chargers, e.g., cigarette lighter socket in the car.
- Temperature range when charging the battery: 0°C~45°C
- Store the battery separately in a dry and cool place.

Damage to the device

- Do not operate the printer near high-voltage lines.
- Only operate the printer in a dry location protected from spray.
- Protect the printer and printing materials from humidity, moisture, and dirt.
- Only connect the printer to systems that have a protective extra low voltage.
- To operate the printer with connection to a mains power supply, only use the provided wide range power supply unit.

2 Starting up the printer

2.1 Checking the scope of supply

Standard DINTEK DLP-010 Set

- Printer
- Power supply unit with four adapters for different sockets
- USB-A to USB-B cable
- User manual

Optional Items

- Lithium Ion Battery Pack VBK100 7.4v 2600mAh 19.24w
- Various Printer Cartridges

Equipment Label Cartridges

- 2306-12000 - Printer Cartridge - 10mm / 24mm - Black on White (PET)
- 2306-12021 - Printer Cartridge - 10mm / 24mm - Black on Yellow (PET)

Wrap-Around Label Cartridges

- 2306-12153 - Printer Cartridge - 10mm / 24mm - Black on White (Vinyl)
- 2306-12154 - Printer Cartridge - 10mm / 24mm - Black on Yellow (Vinyl)

2.2 Overview of the device

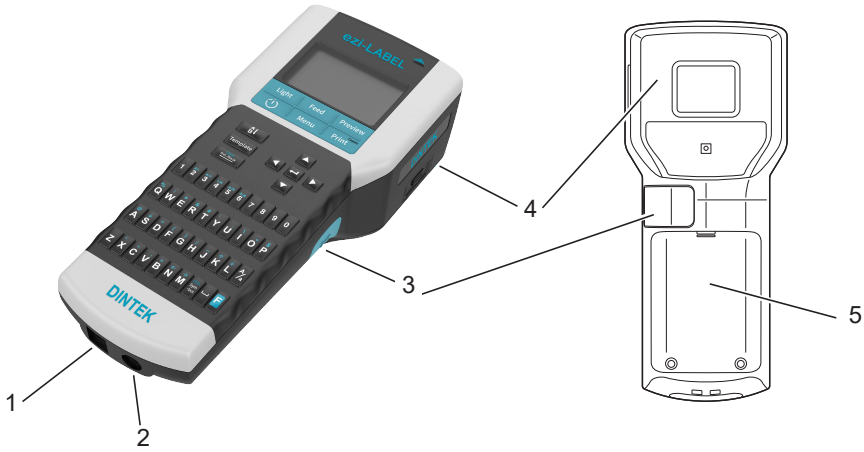


Figure 2-1 Overview

1 Socket for USB connection
2 Socket for power supply unit
3 Cutter for continuous media
4 Compartment for material cartridge
5 Battery compartment

2.3 Connecting the power supply

The DLP-010 can be supplied with power in different ways.

– Dry cells (6x AA alkaline)
– AC wide-range power supply unit (Adapter)
– Battery (Lithium)

If the DLP-010 is connected to the power supply via the power supply unit, the battery in the DLP-010 is automatically charged. The battery can also be charged using an external charger (CHARGER).

Connecting the power supply unit

The DLP-010 is designed for power grids from 100 to 240 V AC. Only connect it to sockets with a ground conductor contact.

Only use the provided wide range power supply unit

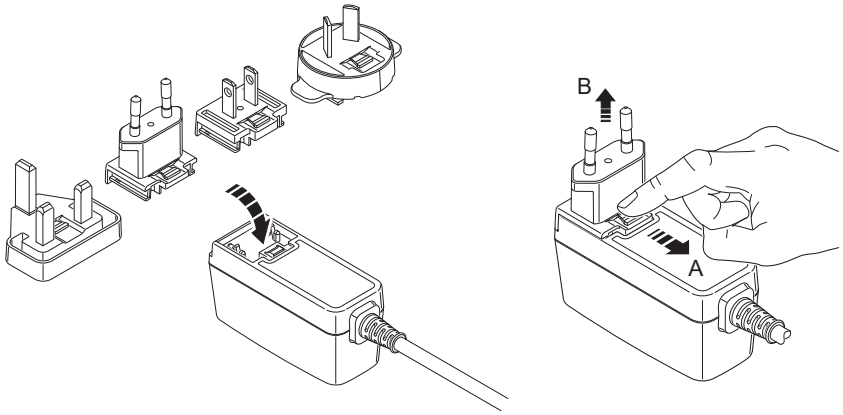


Figure 2-2 Mains connection

- Slightly tilt the relevant adapter and place it onto the front side of the power supply unit and press the adapter down. To remove the adapter, pull the slider on the base element in the direction of the cable.
- Insert the connecting cable of the power supply unit in the socket of the printer.
- Connect the power supply unit to a grounded socket with a ground conductor contact.

2.4 Inserting the material cartridge

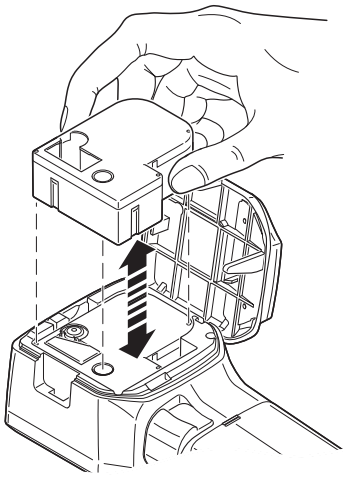


Figure 2-3 Replacing the material cartridge

- Keeping the material cartridge straight, insert it into the compartment from above so that it engages with a click. Make sure that the material end is in the output tray.
- To remove the material cartridge, pull it upward while keeping it straight.

NOTE: Damage to the printer and material cartridge
If the printer is not going to be used for a prolonged period of time, remove the material cartridge from the printer.

2.5 Switching on the device

- Switch on the printer using the ON/OFF key.
- Press the green ON/OFF key until the display lights up.

3 Operating Elements

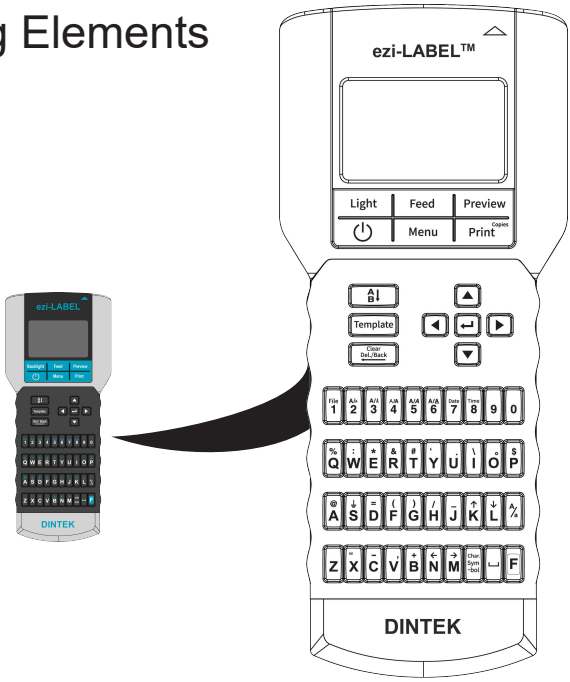


Figure 3-1 Operating Elements

Operating elements		
Blue keys		
ON/OFF	On/Off switch	
F	Function key; uses the assignment labeled green when pressing a key (e.g., @ instead of A)	
Blue keys		Function key pressed
Light	Display lighting	–
Feed	Material advance	–
Preview	Preview of the print result	–
Menu	Call menu In a values selection, the value is accepted and you are returned to the input screen	–
Copies Print	Start printing	Multiple copy

Operating elements		
Turquoise keys		Function key pressed
Tem-plate	Selection of templates	–
AB	Changes the text alignment (horizontal/vertical)	–
↵	Confirm entry, new line (up to six lines are possible)	–
Clear Del./Back	In the menu: back to the previous level On the input screen: delete previous character	On the input screen: delete entire contents
A/a	Switches between upper case and lower case letters	–
␣	Space	–
Char. Symbol	Selection of symbols	Selection of special characters, e.g., â, È, ï, Ĉ
Gray keys		Function key pressed
Num-bers	Entering numbers 0 – 9	1 = file 2 = font size 3 = narrow 4 = bold 5 = italic 6 = underline 7 = date 8 = time
Letters	Letters A - Z	Selects the assignment labeled green
Arrow keys	Line change, navigating in the menu	

3.1 Display

The first line in the display shows the settings selected.

Example of the first line in the display

1 "F" indicates that the blue [F] function key has been pressed. The function key is used to switch to the assignment labeled green when pressing a key (e.g., @ instead of A).

2 Indicates whether upper case or lower case letters are used. Can be switched using the turquoise [A/a] key.

3 Indicates the selected line height in mm. The "A" stands for "auto". The line height is adjusted according to the space available.
Can be switched using number key "2" if the function key has been activated simultaneously. To set the desired height in mm, press number key "2" several times (Auto Size, 2 mm ... 22 mm).

4 Text alignment
The turquoise [ALT] button can be used to switch between text alignments. The text alignment switches in the following order:

1. horizontal – centered
2. vertical – centered
3. horizontal – right-aligned
4. vertical – right-aligned
5. horizontal – left-aligned
6. vertical – left-aligned

5 Text format (bold, italic, narrow, underline). Can be switched using the number keys if the function key has been activated simultaneously.
3 = narrow, 4 = bold, 5 = italic, 6 = underline

6 Print layouts for specific requirements
- Rows of labels with a fixed width ("Mod", see Section4.1.5)
- Cable marking ("CWr", see Section4.1.6)
- Cable flags ("CFL", see Section4.1.7)
- Insert Barcode ("Bar", see Section4.1.3)
- Insert Sequence ("Seq", see Section4.1.4)

7 State of power supply

3.2 Menu

Use the arrow keys to navigate through the menu. Press the ↵ key to select an entry and Clear Del./Back to go back.

Changing the language

The menu is set to English by default. To change the language, proceed as follows:

- Press the black Menu key.
- Select “A. Setup”. Press the ↵ key.
- Select “1. Language”. Press the ↵ key.
- Select a language.
- Press the ↵ key to select an entry.Go back with Clear Del./Back or Menu key.

Table 3-1 Menu

Level 1	Level 2	Level 3	Level 4	Description	
1. File	1. Save			Save marking	
	2. Load			Load stored marking (1 to 20 files)	
	3. Print			Print stored marking	
	4. Delete			Delete stored marking	
2. Font	1. Size	Auto Size		Font is adjusted according to space available	
		2 mm ... 22 mm		Font size in mm	ABC
	2. Style	1. Bold		Bold	**ABC**
		2. Italic		Italic	*ABC*
		3. Narrow		Narrow	ABC
		4. Underline		Underline	ABC
		5. Mirror		Mirrored	ƆBA

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description	
3. Symbol	Punctuation			Punctuation marks	! " #
	General symbols			General symbols	§ © ®
	Units			Units	$ £ ¢
	Electr. General			Electrical symbols	
	Electr. Comp.			Electrical components	
	Home Electrics			Home electrics	
	Safety Signs			Safety symbols	
	Superscript			Superscript characters	± - +
	Subscript			Subscript characters	± - +
	Arrows			Arrows	← ↑ →
	Greek Upper Case			Greek upper case letters	ABΓΔ
	Greek Lower Case			Greek lower case letters	αβγδ
	Mathematical			Mathematical symbols	± ≥ ≠
4. Orientation	1. Horizontal			Horizontal text alignment	ABC
	2. Vertical			Vertical text alignment	ABC
5. Alignment	1. Left			Left-aligned text	ABC
	2. Center			Centered text	ABC
	3. Right			Right-aligned text	ABC

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description	
6. Frame	1. No Frame			No frame	
	2. Dotted			Frame, dashed line	
	3. Thin			Frame, thin line	
	4. Medium			Frame, standard line	
	5. Thick			Frame, thick line	
7. Margin	1. Least			Width from right and left margin	1 mm
	2. Small				2 mm
	3. Medium				5 mm
	4. Large				10 mm
	5. Text-equal			All margins are adjusted evenly according to the text size	
	6. User Set			Set fixed width from right and left margin (1 mm ... 400 mm)	
8. Length	1. Auto Length			The length of the printed text depends on the marking and the margin set	
	2. User Set			Set fixed length (4 mm ... 400 mm)	

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	1. Normal			Empty template
	2. Barcode	Barcode Type	Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A	You can implement Micro-QR-Code, DataMatrix and PDF417 via CLIP PROJECT
		Width	Small, Medium, Large	Barcode width
		Display Text	No, Yes	The text encrypted in the barcode is displayed below the barcode.
		Check Code	No, Yes	A check digit is added, if required
	3. Sequence	Auto Length	StaVal	Start value of a sequence of numbers (2 = 2, 3 ...)
			IncVal	Increment of a sequence of numbers (2 = 2, 4, 6...)
			EndVal	Final value of a sequence of numbers (5 = ... 3, 4, 5)
			SepLine	Separator line
			Orient.	Text alignment of the module: horizontal or vertical
			Prefix	Prefix of a sequence of numbers (-X = -X1, -X2...)
			Suffix	Suffix of a sequence of numbers (-X = 1-X, 2-X...)
			Copies	Repetitions (2 = 1, 1, 2, 2...)

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	3. Sequence	Pitch	StaVal	Start value of a sequence of numbers (2 = 2, 3 ...)
			IncVal	Increment of a sequence of numbers (2 = 2, 4, 6...)
			EndVal	Final value of a sequence of numbers (5 = ... 3, 4, 5)
			Pitch	Factor for the width
			SepLine	Separator line
			Orient.	Text alignment of the module: horizontal or vertical
			Prefix	Prefix of a sequence of numbers (-X = -X1, -X2...)
			Suffix	Suffix of a sequence of numbers (-X = 1-X, 2-X...)
			Copies	Repetitions (2 = 1, 1, 2, 2...)
	4. Module	Total		Number of modules, [1 ... 64] one line, [1 ... 32] two lines
		Pitch		Width for each module, pitch
		Factor		Factor for the width
		SepLine	Dotted, Thin, Medium, Thick, Off	Separator line
		Orient.	Hor., Ver.	Text alignment of the module: horizontal or vertical
	5. Cable Wrap	Horizontal	Auto Length	Length of the cable marking is adjusted according to space available
			User Set	User-defined length of the cable marking (4 mm ... 400 mm)
		Vertical	Diameter	Diameter of the cable (4 mm ... 100 mm)
			Cross section	Cross section of the cable (0.25 mm²/AWG 22 ... 50 mm²/AWG 0)

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	6. Cable Flag	Orient.	Hor., Ver.	Text alignment of the cable flag
		Wrap Length	Diameter	Diameter of the cable (4 mm ... 100 mm)
			Cross section	Cross section of the cable (0.25 mm²/AWG 22 ... 50 mm²/AWG 0)
		Flag Length	Auto Length, User Set	Length of the cable flag: automatic or user-defined 4 mm ... 400 mm
		Center Line	Off, Dotted, Thin, Medium, Thick	Center line as folding guide
A. Setup	1. Language	English German French Spanish Italian Czech Dutch Hungarian Polish Portuguese Turkish Korean Japanese		Languages for the menu

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
A. Setup	2. Unit	mm, inch		Units in millimeters or inches
	3. Feed Length	Cur.		Feed length. Default: 10 mm
		Max.		Maximum 400 mm
		Min.		Minimum 4 mm
	4. Display Light	Always On		The display lighting will remain switched on
		Set Time	Cur.	The display lighting is switched off after a specific time. Default: 15 s
			Max.	Maximum 600 s
			Min.	Minimum 15 s
	5. Auto Off	Always On		The device will remain switched on
		Set Time	Cur.	The device is switched off after a specific time. Default: 1 min
			Max.	Maximum 60 min
			Min.	Minimum 1 min
	6. Information	Model		Device type
		Firmware		Firmware version
		Serial Number		Serial number
		Cartridge Type		Type of the inserted material cartridge
		Remain Length		The remaining material length (estimated)
		Battery Status		Charging status of the battery

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
A. Setup	7. Date	Year		Specify the current date
		Month		
		Day		
		Date Format		Format: day (dd), month (mm), and year (yyyy) Example: dd/mm/yyyy → 23/06/1977 yyyy-mm-dd → 1977-06-23
	8. Time	Hour		Specify the current time
		Minute		
		Second		
		Time Format		24 hour format: hh:mm:ss → 13:24:59 12 hour format: hh:mm:ss am/pm → 01:24:59 pm
	9. Reset All			Reset to default values

4 Creating the marking

4.1 Creating the marking on the display

4.1.1 Entering and formatting text

Example 1

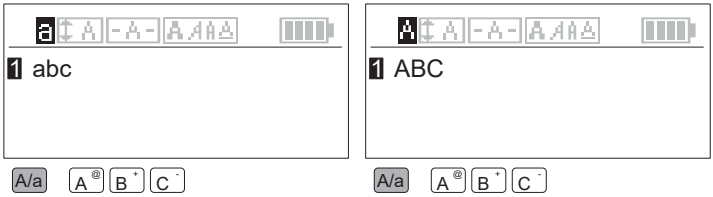


Figure 4-1 Switching between upper case and lower case letters

Example 2

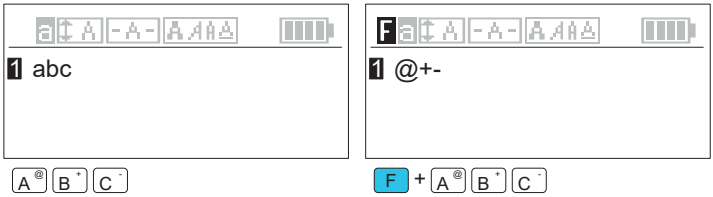


Figure 4-2 Using the alternative key assignment

Example 3

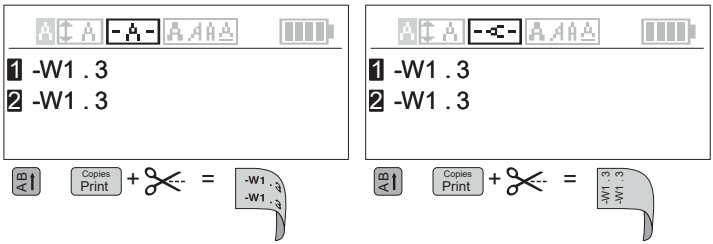


Figure 4-3 Changing the text alignment

Example 4

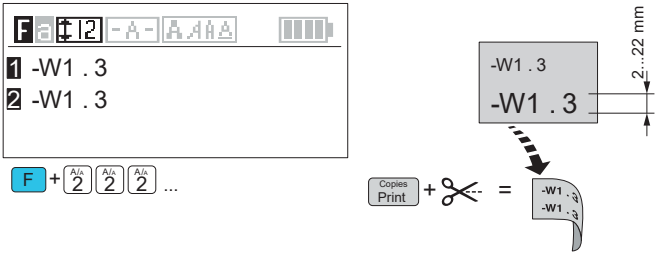


Figure 4-4 Changing font size

Example 5

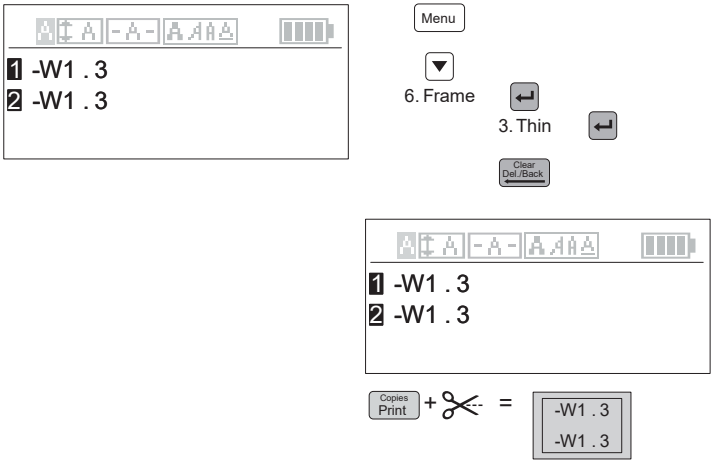


Figure 4-5 Inserting a frame around the text

You can set fixed values, e.g., a fixed width for the margin or a fixed length for the label. To ensure dimension accuracy the printer transports a little piece of material before printing. The printer requests that you cut off this piece before printing.

4.1.2 Inserting symbols

- Press the turquoise [Char. Symbol] key.
- Select a category using the arrow keys.
  - Punctuation marks
  - General symbols
  - Units
  - Electrical general
  - Electrical components
  - Home electrics
  - Safety symbols
  - Superscript characters
  - Subscript characters
  - Arrows
  - Greek upper case letters
  - Greek lower case letters
  - Mathematical symbols
- Press the [↵] key to select an entry. Go back with [Clear Del./Back].
- Choose a symbol with the arrow keys. A selected symbol has a black background.
- Once you have selected a symbol, press the black [Menu] key.

  The symbol is accepted and you are returned to the input screen.

An overview of all the symbols available can be found under "Overview of the symbols" on page 33.

4.1.3 Inserting barcode

You can arrange for labels to be marked with a barcode. Move the cursor to the position at which the sequence is to be located.

If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise [Template] key.
- Select “2. Barcode” . Press the [↵] key.
- Select the required settings (see below).
- Press the [↵] key to select an entry. Go back with [Clear Del./Back] or [Menu] key.

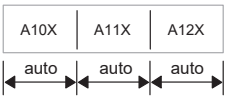
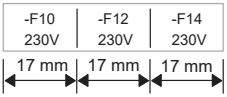
Selection		Possible entry	Example
Barcode Type	You can implement Micro-QR-Code, DataMatrix and PDF417 via CLIP PROJECT	[Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A]	
Width	Barcode width	[Small, Medium, Large]	
Display Text	The text encrypted in the barcode is displayed below the barcode	[No, Yes]	
Check Code	A check digit is added, if required	[No, Yes]	

“Bar.” is displayed on the input screen.

4.1.4 Numbering labels automatically

You can arrange for labels to be marked with continuous numbers or letters. Move the cursor to the position at which the sequence is to be located.

- Press the turquoise [Template] key.
- Select “3. Sequence” . Press the [↵] key.
- Select the required settings (see below).
- Press the [↵] key to select an entry. Go back with [Clear Del./Back] or [Menu] key.

Selection A		Example
Auto Length	The length of the printed text depends on the marking and the margin set	
Pitch	A width can be determined for each sequence	

Determining sequence

Selection B		Possible entry	Example
StaVal	Start value	[1 ... 99, aa ... zz, AA ... ZZ]	9 = 9, 10, 11 ... 99
IncVal	Increment	[1 ... x]	2 = 2, 4, 6, 8 ... 98
EndVal	Final value	[1 ... 99, aa ... zz, AA ... ZZ]	40 = ... 38, 39, 40
Pitch Not available for “Auto Length”	Width for each module	[4 ... 1000.0 in steps of 0.1 mm, mm or inches]	
SepLine	Separator line	[Dotted, Thin, Medium, Thick, Off]	
Orient.	Text alignment of the module	[Hor., Ver.]	
Prefix	Prefix	[max. 20 characters]	-X = -X1,- X2, -X3,...
Suffix	Suffix		Y = 1Y, 2Y, 3Y ...
Copies	Number of repetitions for each value	[1 ... 99]	3 = 1, 1, 1, 2, 2, 2

“Seq.” is displayed on the input screen.

4.1.5 Creating label modules with a fixed width

To label electronic modules, such as terminal blocks or fuses, one label can be printed for all modules. A width (“Pitch”) can be determined for each module.

If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise [Template] key.
- Select “4. Module” . Press the [↵] key.
- Select the required settings (see page 25).
- Press the [↵] key to select an entry. Go back with [Clear Del./Back] or [Menu] key.
- “Mod“ appears on the screen.
- Use the arrow keys to select a module and add your marking. If you create three module e.g. "Module01","Module02","Module03".
- To leave the „Module“ template, press the green function key [F] + [Clear Del./Back].

Example 1

	F1 230 V	F2-4 400 V	F5 230 V
Total	1	2	3
Pitch + Factor	1 x 17.5 mm	3 x 17.5 mm	1 x 17.5 mm
SepLine	Medium		
Orient.	Horizontal		

Example 2

L1	L2	L3	N
1	2	3	4
Pitch + Factor	1 x 8.5 mm		
SepLine	Thick		
Orient.	Vertical		

Selection		Possible entry	Example
Total	Number of modules	[1 ... 64] one line, [1 ... 32] two lines	12 = 12 modules next to each other
Pitch	Width for each module	[4 ... 1000.0 in steps of 0.1 mm, mm or inches]	10.1 = 10.1 mm wide modules
Factor	Factor for the width	[1 ... 9, in steps of 0.5], factor for the width	2.5 = width x 2.5
SepLine	Separator line	[Dotted, Thin, Medium, Thick, Off]	
Orient.	Text alignment of the module	[Hor., Ver.]	

4.1.6 Creating cable marking

When marking cables or conductors, it may be useful to attach a marking that is readable around the cable.

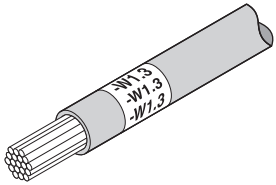


Figure 4-6 Cable marking

If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise [Template] key.
- Select “5. Cable Wrap” . Press the [↵] key.
- Select the required settings (see below).
- Press the [↵] key to select an entry. Go back with [Clear Del./Back] or [Menu] key.
- You can select measurements with the arrow keys. Some measurements can also be entered directly by using the number keys.

The following settings can be made:

Selection		Possible entry	Example
Cable Wrap	Horizontal text alignment	[Auto Length, User Set]	-W1.3 -W1.3 -W1.3 →
	Vertical text alignment	[Diameter, Cross section]	-W1.3 -W1.3 -W1.3 →

When using horizontal text alignment, the optimum width of the label can be determined automatically or you can specify a fixed width.

When using vertical text alignment, enter the diameter or the cross section of the cable. The printer then determines the optimum length.

4.1.7 Creating cable flags

For large-area marking of cables, cable flags can be used. To do so, enter the marking for the front side. The back side is printed automatically with the same marking.

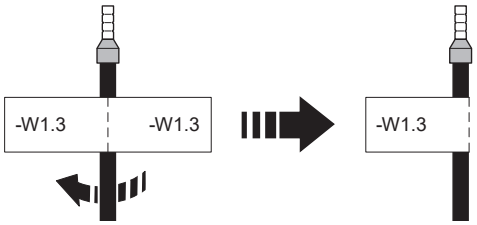
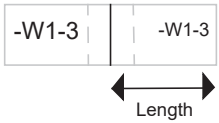


Figure 4-7 Example of a cable flag

If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise [Template] key.
- Select “6. Cable Flag” . Press the [↵] key.
- Select the required settings (see below).
- Press the [↵] key to select an entry. Go back with [Clear Del./Back] or [Menu] key.
- You can select measurements with the arrow keys. Some measurements can also be entered directly by using the number keys.

The following settings can be made:

Selection		Possible entry	Example
Orient.	Text alignment	[Hor., Ver.]	
Wrap Length	Diameter or cross section of the cable	[Diameter, Cross section]	
Flag Length	Length of the cable flag	[Auto Length, User Set]	
Center Line	Center line	[Off, Dotted, Thin, Medium, Thick]	

Enter the diameter or the cross section of the cable. The printer then determines the optimum length. Alternatively, you can specify a fixed length for the flag.

4.2 Printing

- Press the Copies Print key, to print the marking once.
- To print multiple copies, press the Copies Print key and the green F function key simultaneously.
- If you choose multiple copy, select whether to cut now or later.

  If you choose to cut later, the printer can add a line at the cutting position.

  If you choose the cutting option, you will be asked to cut. After cutting the device continues printing.

5 Maintenance and troubleshooting

5.1 Troubleshooting

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
Print image is blurred or missing in places	Print head or print roller is dirty	Clean the print head and print roller (see 5.1.2)
	The tension of the ink ribbon is too low	To increase the tension of the material, turn the ink ribbon coil
Material is not supplied	The material is not pulled out far enough from the material cartridge	Unwind the material approx. 5 mm off the material cartridge. To increase the tension of the material, turn the ink ribbon coil
	Material is stuck in the printer	Carefully remove the material from the printer. Cut off damaged material. Unwind the material approx. 5 mm off the material cartridge. To increase the tension of the material, turn the ink ribbon coil
	Material cartridge is empty	Insert new material cartridge (see 2.4)
	Compartment for material cartridge is open	Close compartment
Material is supplied but not printed	Ink ribbon is torn	Insert new material cartridge (see 2.4)
Printer too loud	Material cartridge is not inserted correctly	Insert material cartridge correctly (see 2.4)
	Material cartridge is defective	Insert new material cartridge (see 2.4)
	Compartment for material cartridge is open	Close compartment
Printer prints slowly	Printing speed is automatically set	If the battery charge is too low the printing speed is reduced. This ensures a high-quality print

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
The printer cannot be switched on	Batteries are empty	Change batteries
	Batteries are inserted incorrectly	Insert batteries correctly
	Rechargeable battery is empty	Recharge battery
	Rechargeable battery is inserted incorrectly	Insert rechargeable battery correctly
	No power supply	Connect the power supply unit
Printer switches off automatically	Auto off function is activated	Check menu entry (see “A. Setup, 5. Auto Off”)
Battery is not charged	Battery is inserted incorrectly	Insert battery correctly
	No power supply	Connect the power supply unit
	Rechargeable battery is defective	Dispose of battery properly and insert new battery

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
Display lighting switches off automatically	Auto off function of the display lighting activated	Check menu entry (see “A. Setup, 4. Display Light”)
No input possible	General system error	Switch device off and on. Disconnect the device from power supply. Remove batteries. Insert new ones
Cutting is stiff	Type of material being used	Some materials have a higher material thickness. These materials need more cutting force than other materials

5.2 Error messages

Table 5-2 Error messages

Error message	Possible cause	Remedy
“Cutter Error”	Cutter was used while printer was printing. Printing is interrupted.	Press any key (except ON/OFF or Light)
“End of Tape”	Material cartridge is empty	Insert new material cartridge
“Input Too Long”	The limit on the number of characters that can be printed has been reached	Reduce number of characters or increase label length
“No Cartridge“	No material cartridge inserted	Insert the material cartridge
“No Lines Left”	The limit on the number of lines that can be printed on has been reached	Reduce number of lines or use wider material
“No Tape”	Material cartridge not found	Insert new material cartridge
“Please Cut”	Printer is waiting for the material to be cut	Activate the cutter. Press any key to continue
“Press Any Key”	Printer is awaiting input	Press any key (except ON/OFF or Light)

5.3 Repairs

WARNING: Risk to operational reliability

Incorrect operation or modifications to the device can endanger your safety or damage the printer. Do not repair the product yourself. If the device is defective, please contact DINTEK.

5.4 Firmware update

To benefit from updates or extended functions, a firmware update and a firmware update tool can be downloaded at DINTEK.

5.5 Disposal

The device contains valuable recyclable materials, which should be utilized.

Dispose of the printer separately from other waste, i.e., via an appropriate collection site.

Dispose of the battery separately from other waste, i.e., via an appropriate collection site.

6 Appendix

6.1 Technical data

Technical data	
Resolution	203 dpi
Print mode	Thermal transfer
Print speed	12 mm/s
Print length	4 mm ... 2200 mm
Print width, maximum	24 mm
Interfaces	USB
Display and operation	2.5" LCD display, ABC keyboard
Voltage	100 V AC ... 240 V AC, 50/60 Hz
Power	36 W, maximum
Temperature	
Operation	+5°C ... +40°C
Storage	-18°C ... +60°C
Transport	-25°C ... +60°C
Humidity	
Operation	10 % ... 90 %
Storage	5 % ... 90 %
Transport	5 % ... 95 %
Approvals	CE, UL, FCC-B, ICES
Approval for Canada as per ICES-003	CAN ICES-3 (B)/NMB-3(B)
Dimensions (H x D x W)	230 mm x 98 mm x 69 mm
Weight	656 g

6.2 Overview of the symbols

Table 6-1 Overview of the symbols

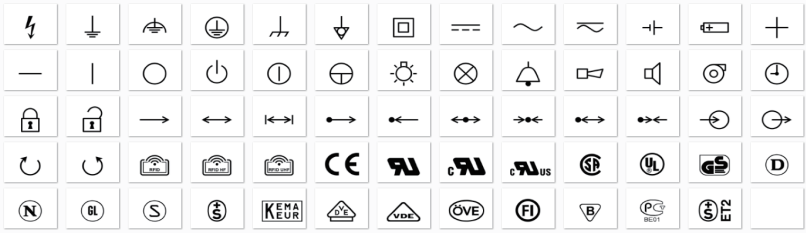
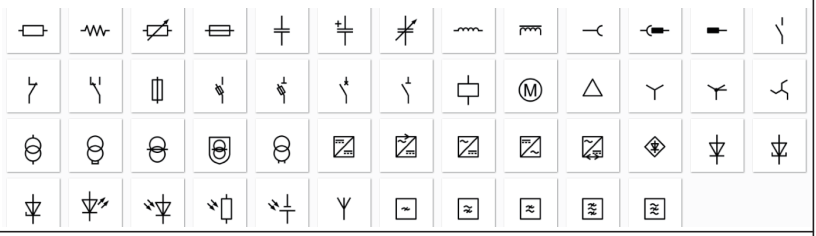
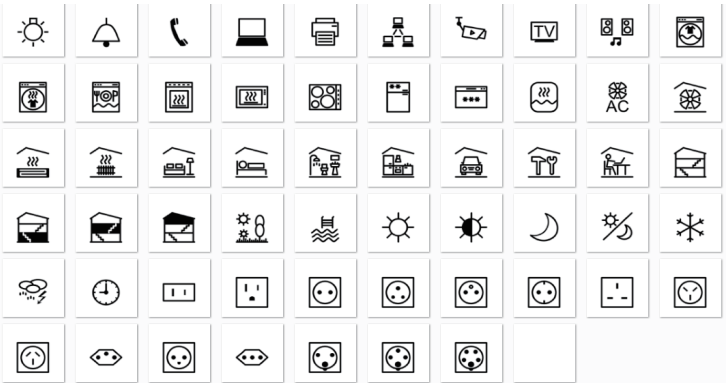
Category	Symbols
Punctuation	! " # & ' ( ) * , . / : ; ? [\ ] ^ _ { | } ~ ¿ ¡ ‘ , “ „
General symbols	§ © ® ° µ ¶ @
Units	$ £ ¢ ¤ ¥ € ° ´ ´´ % ‰ °C °F µm mm cm km ft mm² cm² m² km² mm³ cm³ m³ mg kg ml dl µV mV kV µA mA kA mW kW MW mW kW MW pF nF µF Hz kHz MHz GHz dB Pa ha mb
Electr. General	
Electr. Comp.	
Home Electrics	

Table 6-1 Overview of the symbols

Category	Symbols
Safety Signs	
Superscript	± − + 0 1 2 3 4 5 6 7 8 9 a b c d e f g h i k l m n o q r s t u v w x y z α β γ
Subscript	± − + 0 1 2 3 4 5 6 7 8 9 a b c d e f g h i j k l m n o p q r s t u v w x y z α β γ
Arrows	← ↑ → ↓ ⟵ ⟰ ⟶ ⟱ ⟷ ⟺ ⬆ ⬇ ⟶ ⟷ ⟼ ⟶ ⟵ ⟷ ⟷ ⟷ ↻ ↻ ⟶ ⟶

Table 6-1 Overview of the symbols

Category	Symbols
Greek Upper Case	Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Τ Υ Φ Χ Ψ Ω
Greek Lower Case	α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω
Mathematical	% + - < = ≠ > ≤ ≥ ± ² ³ ¹ º ¼ ½ ¾ ÷ ‰ × Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ Ⅷ Ⅸ Ⅹ

How to contact us

Internet

Up-to-date information on DINTEK products and our Terms and Conditions can be found on the Internet at: www.dintek.com.tw

Make sure you always use the latest documentation.
It can be downloaded at: https://printer.dintek.com.tw

Subsidiaries

If there are any problems that cannot be solved using the documentation, please contact your DINTEK distributor.
Distributor contact information is available from: sales@dintek.com.tw

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Should you have any suggestions or recommendations for improvement of the contents and layout of our manuals, please send your comments to: sales@dintek.com.tw

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Warranty & RMA Process

In the unlikely event that your DLP-010 testers should develop an issue, we encourage you to contact the local agent that you purchased your testers from, or alternatively fill out the online form by going to https://rma.dintek.com.tw or by scanning the QR Code below. Our dedicated team will guide you through the process of diagnosing the problem and determining the best course of action. If the issue is covered under our warranty, you will be provided with instructions on how to return the tester for repair or replacement.

For issues not covered by the warranty, either your local agent or DINTEK will work with you on finding a resolution to get you up and running again.
Rest assured, our priority is to ensure that your DLP-010 testers are functioning optimally and that any disruptions to your operations are minimized.

DINTEK Online Form QR Code

To fill in this form, please make sure you have the following.

1 | Tester serial number
2 | The name of the dealer you purchased from
3 | Date of purchase
4 | Contact details & email address

DINTEK Electronic Ltd

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