



BD Controller 101N07xx Series 24 V DC

with Tool4Cool® LabEdition software and
Danfoss One Wire/LIN gateway



Quick Start Guide

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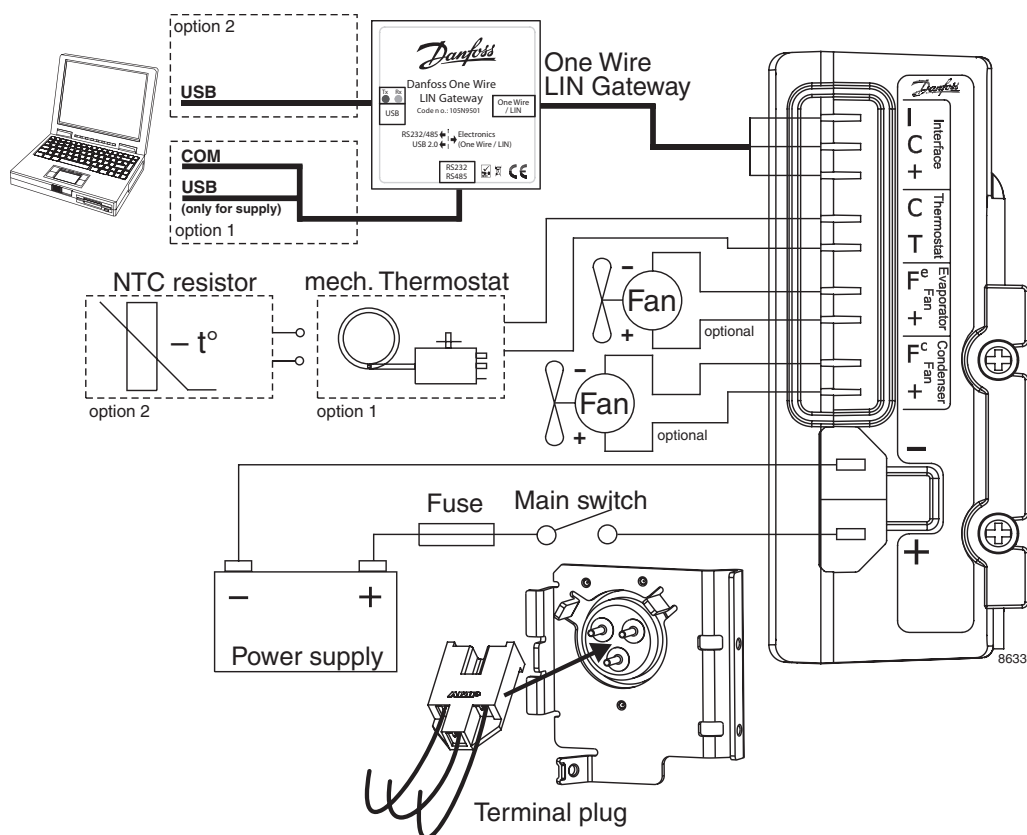
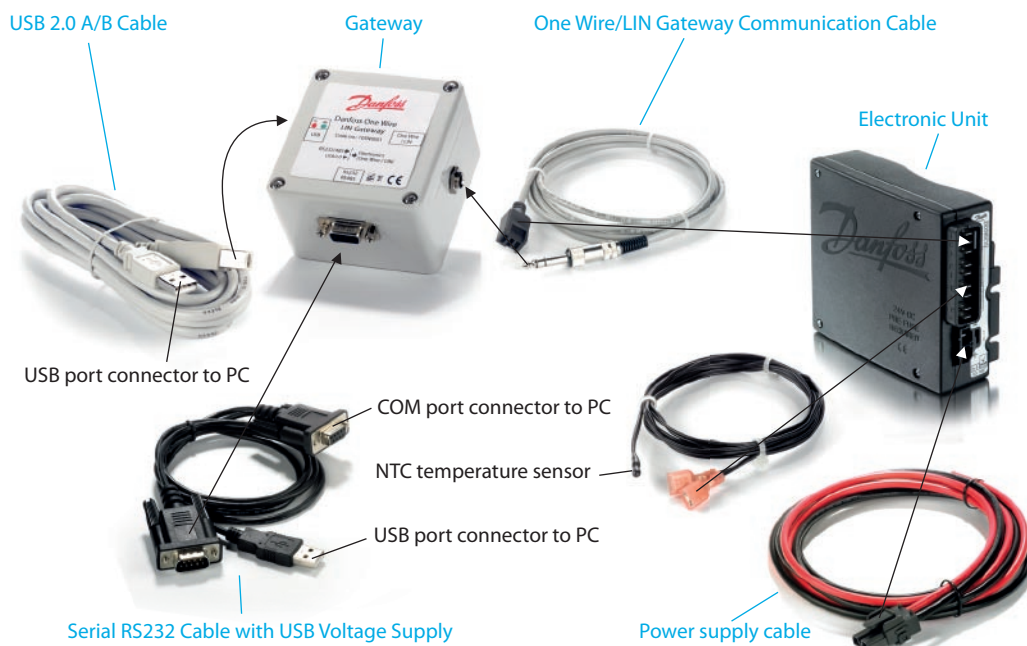
1. Checklist

Check that you have the following:

BD electronic controller 101N07xx Series 48V DC • 101N0715 or • 101N0710 (discontinued)	
Tool4Cool® LabEdition software installation CD	
NTC temperature sensor (alternative: mechanical thermostat)	
DC line cords	
Product key for BD compressor controller (not necessary with Tool4Cool® Version 1.02)	DH3TT6RBAD1GW8G68ZM1N8G62ZMCOO916IER6GH2YZEIR
Danfoss One Wire/LIN gateway with connection cables • Gateway • One Wire/LIN gateway Communication cable • USB port connector to PC • USB 2.0 A/B cable	

Ordering: See section 7.0

2. Connect cables



3. Install software

1. Check that you have the latest update of .NET Framework from www.windowsupdate.com.

2. Insert the Tool4Cool® installation CD.

This view will appear:

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• **Tool4Cool® Software Installation (please click)**

Minimum system requirements:

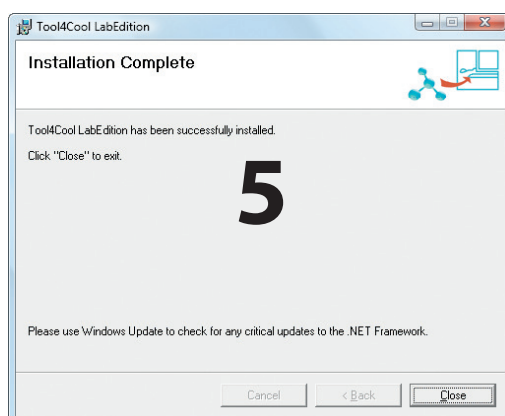
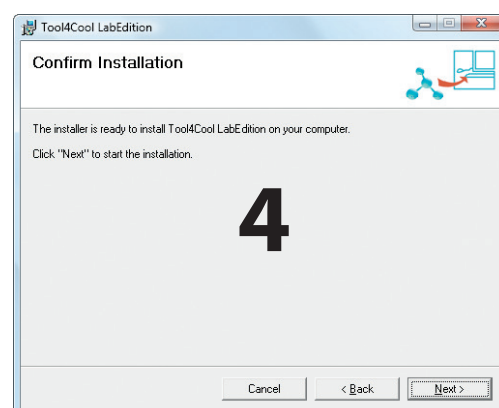
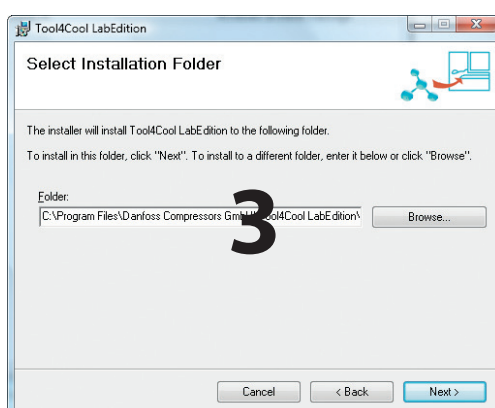
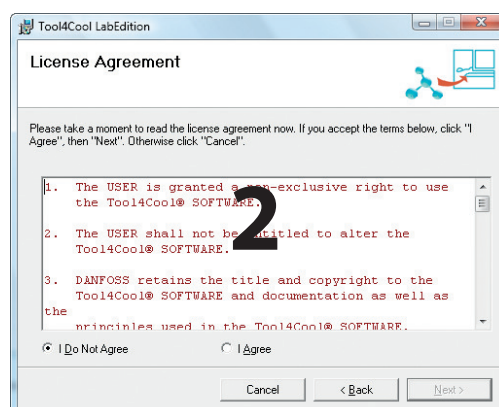
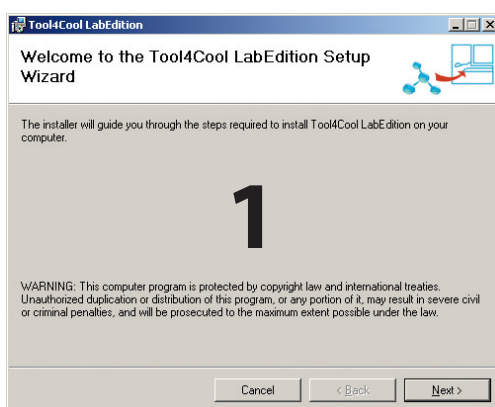
- PC with min. 1 GHz Intel Pentium III processor or equivalent, and min. 500MB available memory
- PC operating system: Microsoft XP Home edition, XP Professional or Microsoft Windows Vista with the latest patches and updates for Windows released by Microsoft.
- .NET Framework with the latest patches and updates for .NET Framework released by Microsoft.

Adobe® Acrobat PDF files:

- Tool4Cool® Software Disclaimer (please read)
- Tool4Cool® Software Vereinbarung (bitte lesen)



3. Double-click on *Tool4Cool® Software Installation*. Run the file setup.exe. Then follow the instructions in the *Setup Wizard*.



4. Install Product Key

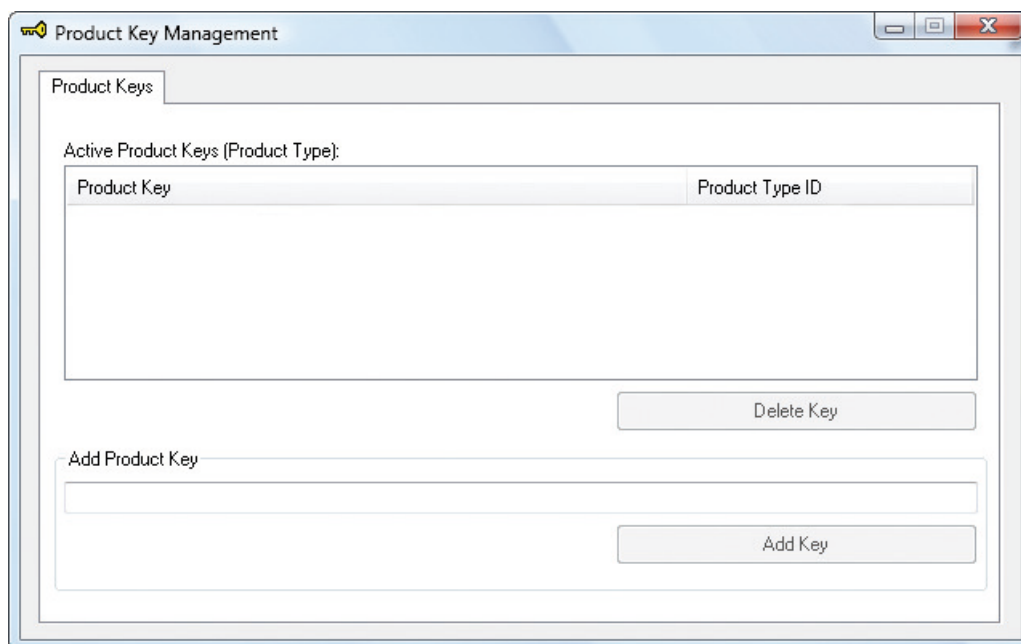
1. Start Tool4Cool® LabEditon by double clicking on the icon on the desktop:



2. Select Help in the menu bar.
3. Select Product Keys from the drop-down menu:



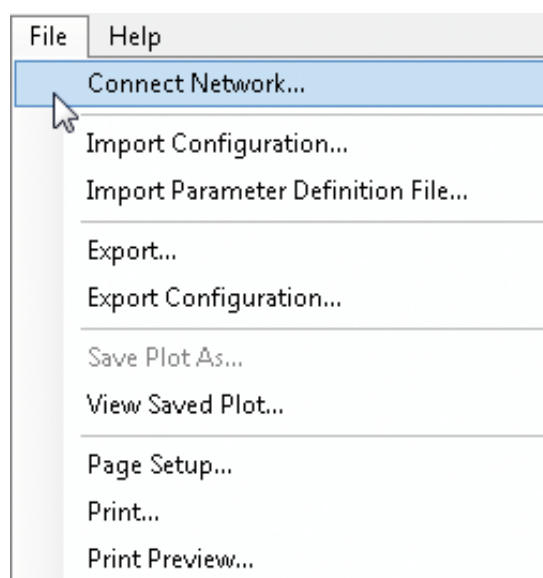
4. This dialog box will open:



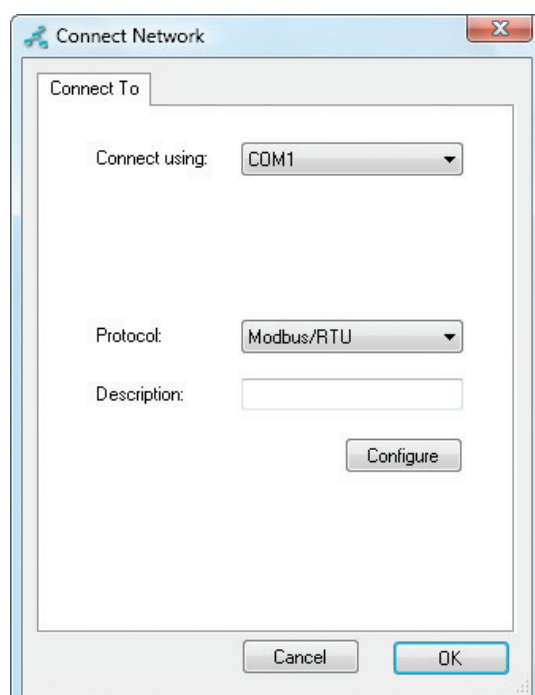
In the Add Product Key field, type the Product Key shown in *Section 1: Checklist*. Click on the Add Key button. The Product Key is now active.

5. Connect network

1. Select File in the menu bar.
2. Select Connect Network in the drop-down menu:



3. This dialog box will open:



In the *Connect using* field, select the COM port to which the gateway is connected.

Fill in *Description* (optional).

Press OK.

Wait a short time. The LEDs on the gateway will flicker, then a red arrow will appear in front of the description (COM/USB network).

The controller is now accessible via Tool4Cool®.

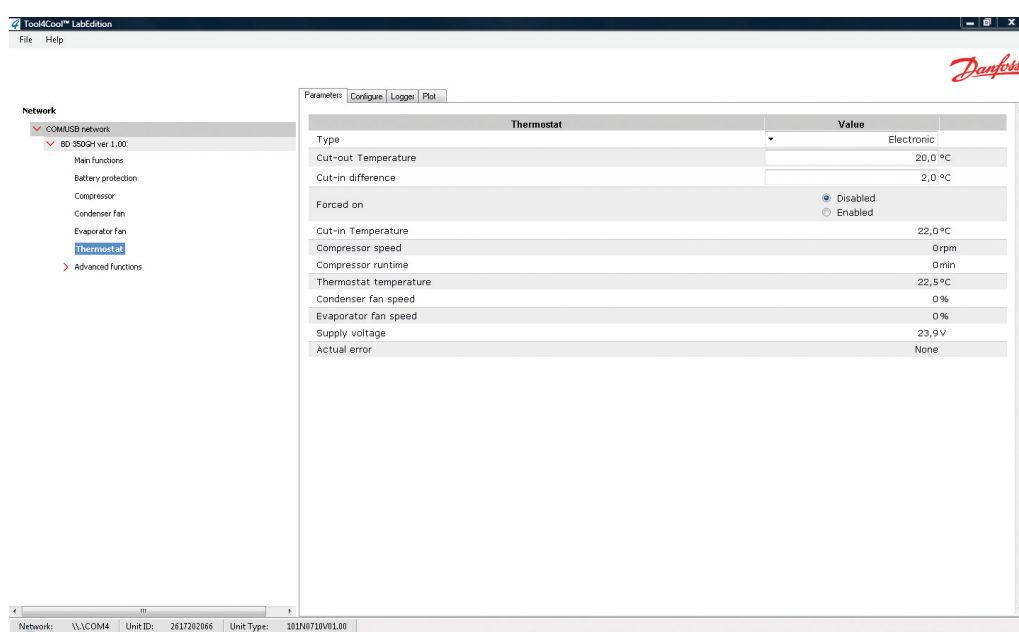


6. Ready to operate

Click on the red arrows to view the controller and its parameter groups:



Click on a parameter group name to view details to the right of the screen:



6. Ordering

	Model	Code number	Description
Compressor	BD350GH 24 V DC supply	102Z3016	
	BD350/350GH 24 V DC supply - twin compressor	102Z3017	
Single-Pack	Electronic control unit 24 V DC	101N0715	40W/60W fan output, ECO function
	24 V DC line cord, 900 mm, 6mm ²	105N9542	accessories
	24 V DC line cord, 2000 mm, 6 mm ²	105N9540	accessories
	24 V DC line cord, 5000 mm, 6 mm ²	105N9538	accessories
	Temperature sensor, 470 mm, spade connectors	105N9612	accessories
	Temperature sensor, 1000 mm, spade connectors	105N9614	accessories
	Temperature sensor, 1500 mm, spade connectors	105N9616	accessories
	Danfoss One Wire/LIN gateway with cables & driver	105N9501	accessories
Industrial-Pack (I-Pack)	Electronic control unit 24 V DC	101N0714	36 pcs.
	Communication cable, 1500 mm, AMP connector	105N9545	100 pcs.
	Communication cable, 3000 mm, AMP connector	105N9547	50 pcs.
	24 V DC line cord, 900 mm, 6mm ²	105N3543	36 pcs.
	24 V DC line cord, 2000 mm, 6 mm ²	105N9541	36 pcs.
	24 V DC line cord, 5000 mm, 6 mm ²	105N9539	36 pcs.
	Temperature sensor, 470 mm, spade connectors	105N9613	200 pcs.
	Temperature sensor, 1000 mm, spade connectors	105N9615	100 pcs.
	Temperature sensor, 1500 mm, spade connectors	105N9617	100 pcs.
	Temperature sensor, 400 mm, AMP connector	105N9611	200 pcs.
Software Package	Tool4Cool® LabEdition, 1 license	105N9300	PC software, 1 licence version
	Tool4Cool® LabEdition, 2 license	105N9301	PC software, 2 licence version
	Tool4Cool® LabEdition, 5 license	105N9302	PC software, 5 licence version

7. Further information

For detailed installation and operation instructions, please refer to other literature, currently available from Danfoss:

Title	Danfoss Literature Number
Tool4Cool® LabEdition <i>Operating Instructions</i> Tool4Cool® LabEdition <i>Bedienungsanleitung</i> (German)	DEHC.PI.300.B___.02 DEHC.PI.300.B___.03
BD Controller 101N07xx Series 24 V DC with Tool4Cool® LabEdition software <i>Operation Instructions</i>	DEHC.PS.100.I___.02
BD Controller 101N07xx Series 24 V DC with Tool4Cool® LabEdition software and Danfoss One Wire/LIN gateway <i>Quick Start Guide</i>	DEHC.PS.100.J___.02
Danfoss One Wire/LIN Gateway 105N9501 <i>Instructions</i>	DEHC.PI.100.K___.02
Electronic Unit for BD350GH Compressor 101N0715 24 V DC <i>Instructions</i>	DEHC.EI.100.Z___.02
Electronic Unit for BD350GH Compressor 101N0710 24 V DC (discontinued) <i>Instructions</i>	DEHC.EI.100.P___.02
DC Line Cords for BD350GH Electronic Unit 24V <i>Instructions</i>	DEHC.EI.100.E___.02
Temperature Sensors for BD350GH Electronic Unit <i>Instructions</i>	DEHC.PI.100.G___.02
Communication Cable for BD350GH Electronic Unit <i>Instructions</i>	DEHC.PI.100.H___.02

" __ " = version number (changes)

