

DOL 53X/DOL 63X Upgrade Kit from DOL 234

Technical User Guide



English: For other language variants of this document we refer to:
Español: Para otras variantes del idioma de este documento, visite:
Français: Pour les versions dans d'autres langues de ce document veuillez consulter:

<http://docs.skov.com/1174>


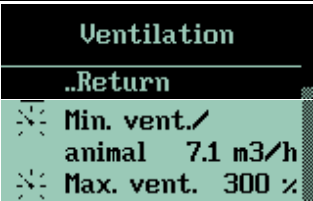
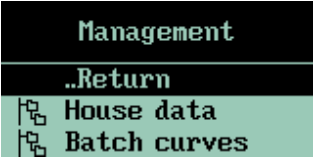

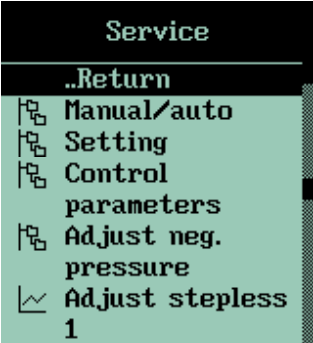
1 Product description

This is an update kit for updating DOL 234 to DOL 53X / DOL 63X. The kit consists of a panel with a CPU module, a main module and a power supply, Power Supply SMPS 24 V 2,1A.

2 Mounting guide

2.1 Note existing setup in DOL 234

It is not possible to transfer the existing setup to the new DOL 53X / DOL 63X, it is therefore important to note down the settings in the menus alarms, ventilation, management, setup and service.

	<p>1) Note down the settings under Alarms /: Alarm limits</p>
	<p>2) Note down the settings under Ventilation /: Min.vent./ animal Maximum ventilation</p>
	<p>3) Note down the settings under Management /: House data Batch curves</p>
	<p>4) Note down the settings under Setup /: Installation Adjustment Show installation</p> <p>The connection terminals shown under Show installation are very important as the I/O modules are not replaced.</p>
	<p>5) Note down the settings under Service /: Manual/auto Setting Control parameters Adjust negative pressure Adjust stepless</p>

6) - Note down any other relevant settings.

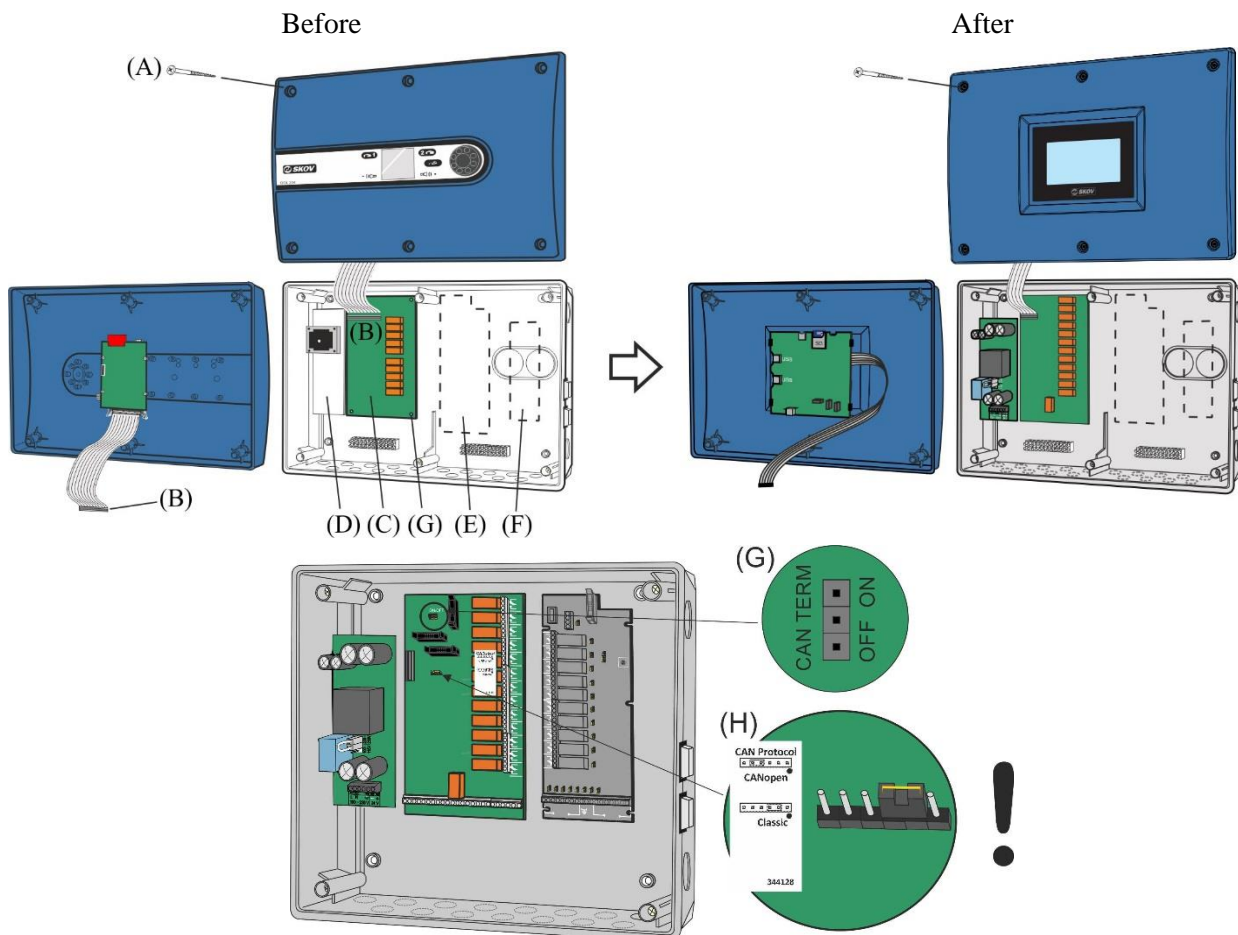
2.2 Electric connection



Qualified personnel in accordance with the applicable national and international standard EN 60204-1 and any other EU standards that are applicable in Europe must perform installation, service and fault finding of all electrical equipment.

The installation of a supply isolator is required for each motor and power supply, so maintenance of electrical equipment can be carried out in a dead environment. Supply isolator is not supplied by SKOV A/S.

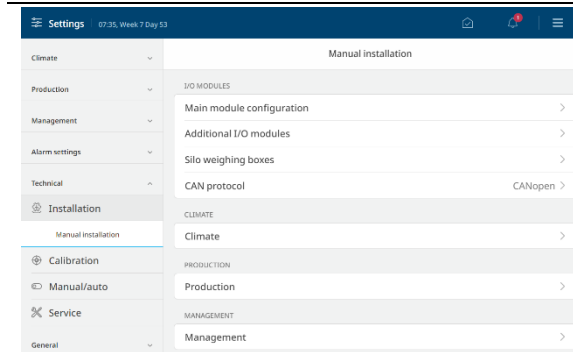
2.3 Replace CPU module, main module and power supply





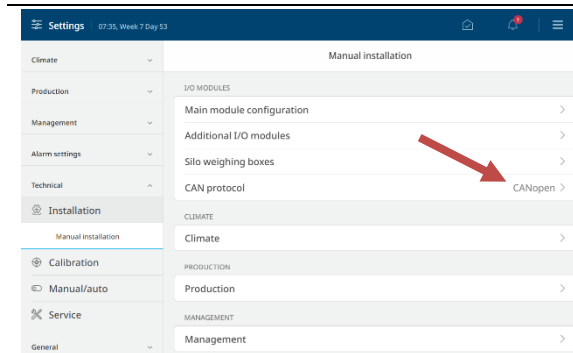
- 1) Disconnect power to the controller.
- 2) Loosen the screws on the front panel (A) and remove it.
- 3) Remove the flat cable plug (B).
- 4) Mark wires for the main module (C) and power supply (D) and remove them.
- 5) Remove the connector for the power supply (D) and, if required, the speed controller (F) and the I/O module (E).
- 6) Dismount screws for the main module (C) and power supply (D) and remove them.
- 7) Mount the new main module with four screws and the power supply and connect the connector and flat cable plug from the CPU module.
- 8) Set CAN TERM (G) and CAN protocol jumper (H) to Classic.
- 9) Load system software, see *Technical User Guide, Loading System Software*.
- 10) Mount the screws (A).



2.4 Make a new setup and connection of DOL 53X / DOL 63X

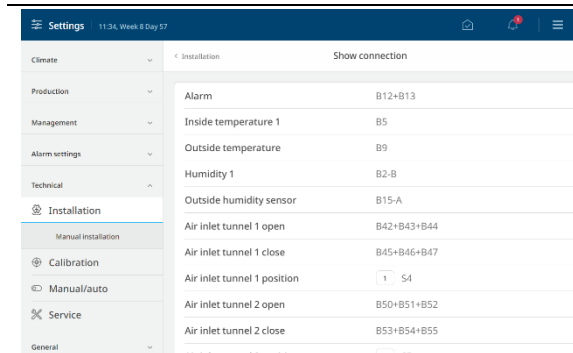
- 1) Switch the power to the controller on.
- 2) Make the setup of DOL 53X / DOL 63X in accordance with the noted settings from DOL 234.





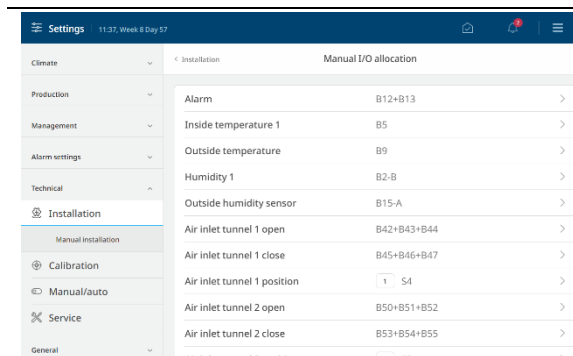
- 3) Make the settings in DOL 53X / DOL 63X   / **Technical / Installation / Manual installation** based on the settings noted from DOL 234.





- 4) Set the CAN protocol to **Classic** in the menu   / **Technical / Installation / Manual installation / CAN protocol**.

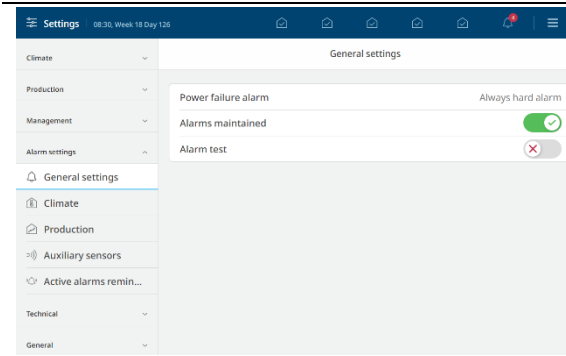


- 5) Confirm that the connections in   / **Technical / Installation / Show installation** are in accordance with the settings noted from DOL 234.

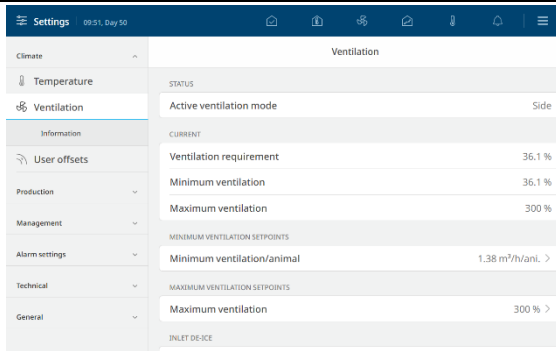


If moving wires in relation to the previous installation gives rise to problems, the I/O allocation can be adapted manually in the menu in   / **Technical / Installation / Manual I/O allocation**.

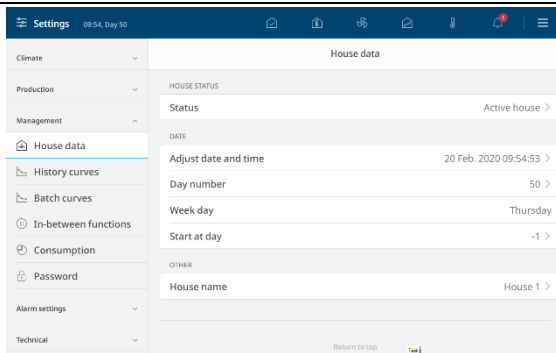
See also *the DOL 53X / DOL 63X Technical Manual*.



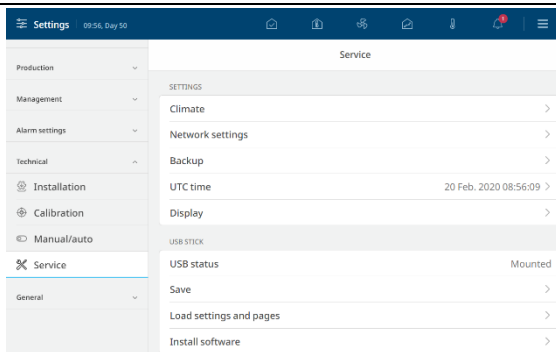
6) Make **Alarm settings**.



7) Set min. and max. Ventilation under **Climate / Ventilation**.



8) Make the settings under **Management**.



9) Make the settings under **Technical / Service**.

2.5 Test Connections

See the *DOL 53X / DOL 63X Technical Manual* for testing.

