

Emergency Operation

LXE10E

LXE10D

Available Operation

Frozen operation
(SP=-10.1 ~ -30.0°C)

Frozen operation
(SP=-10.1 ~ -30.0°C)

On-site Work

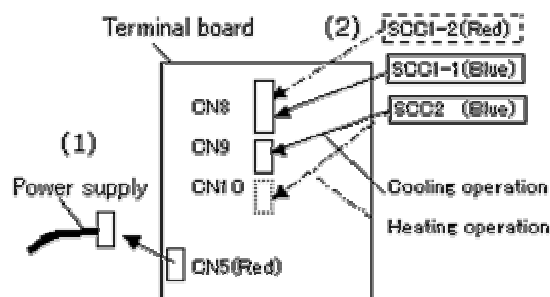
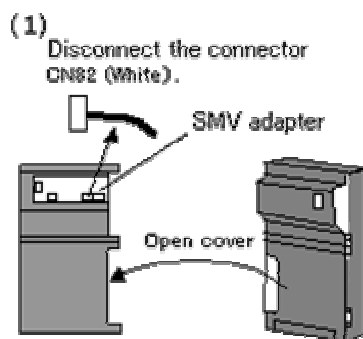
For the emergency operation when the controller is malfunctioned.
The on-site work is requested as follows.

- (1) Wiring change
For cutting off the power to CPU board and making the forced running of Comp.,CFM and EFM
- (2) EV opening adjustment
For making 1/4 opening
- (3) SMV opening adjustment
For making full-opening (only for LXE10E)

[1] Wiring change

- (1) Disconnect the connector CN82 (White) on SMV adapter mounted on Controller Cover.
- (2) --Same as LXE10D---

- (1) Disconnect the power supply connector CN5 (Red) on Terminal Board.
- (2) Connect the 8-pin short circuit connector SCC1-1(Blue) *1 to CN8 and 2-pin short circuit connector SCC2 (Blue) to CN9 *2 .
(Read *1 SCC1-2(Red) and *2 CN10 at heating operation instead.)



Location of
"Short circuit
connectors
SCC1-1,SCC1-
2,SCC2"

Upper back of controller box.

Right side on Terminal board.

Reverse-phase
rotation check

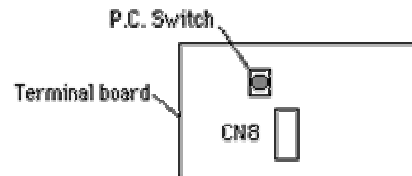
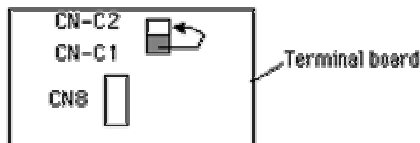
Compressor cannot be operated by
detecting reverse phase power with
RPP.

Check discharge air direction from CFM.

Rotation-change
due to reverse
phase power

Replace connector SCC3 (White) with
CN-C1 (or CN-C2) to next CN-C2 (or
CN-C1).

Turn up (or down) phase correction switch
after pulling its knob up.



[2] EV opening adjustment (1/4 open)

- (1) --Same as LXE10D.
- (2) --Same as LXE10D.
- (3) --Same as LXE10D.
- (4) Then slightly open the EV by turning a driver 60° counter clockwise. (8 ton body)

- (1) Remove the coil from EV body.
- (2) Set the emergency coil cap to the EV body.
- (3) Fully close the EV with provided driver.
- (4) Then slightly open the EV by turning a driver 120° counter clockwise. (4 ton body)

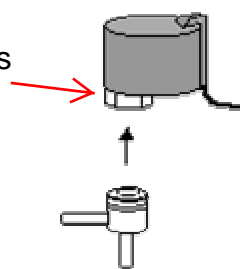
- (1) Remove the coil.

- (2) Set the emergency coil cap.

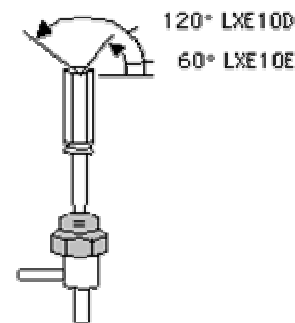
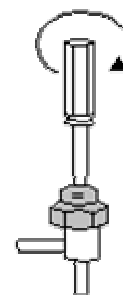
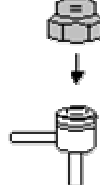
- (3) Fully close

- (4) Slightly open

EEV coil's
Flange



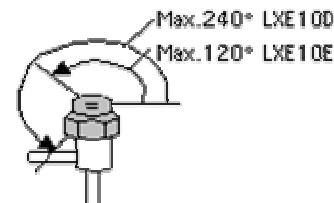
Emergency coil cap
(Parts no. 1080263)



Recommendation

EV opening adjustment during pull-down operation

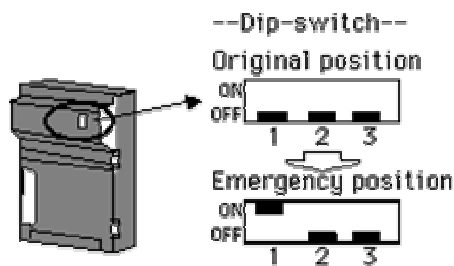
To shorten the operation hours, it is recommended that the opening be adjusted up to max. 50%. However if the frost is observed around the comp. body or the super heat is insufficient due to wet operation, close slightly the opening.



[3] SMV opening adjustment (Full open)

1. Turn the No.1 dip-switch on.

---Not applied for LXE10D---



*Listen to the active noise "Ta--,Ta--" from SMV when the power turns on.

Manual
adjustment for
full open

- (1) Disconnect the power supply connector CN5 (red) on Terminal board when SMV adapter and controller are malfunctioned.

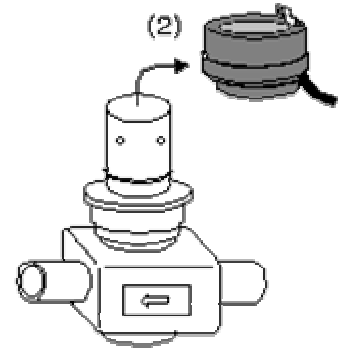
* When SMV adapter is malfunctioned but controller is not, don't disconnect the power supply connector CN5(red) or CN82(white).

Emergency Magnet
(Parts no. 1270530)



(2) Remove the coil from SMV body.

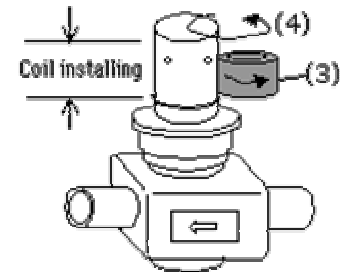
* Refer the detail of removing procedure the coil and rubber cover to Service Manual.



(3) Contact the Emergency Magnet to SMV body in "UPSIDE" up.

(4) Rotate the Emergency Magnet counter-clockwise in opening direction.

*Since the internal driving magnet becomes inactive when the valves opened fully, turning torque for the magnet will be increased once, and then, suddenly decreased to enable the magnet to be removed.



Window Close