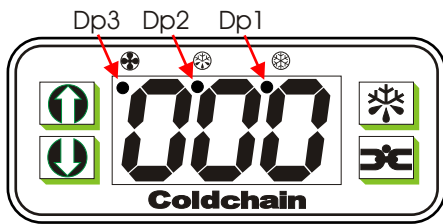


coldchain

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Operators Guide

[C2000L/SE](#)
[C2500L/SE](#)
[C4350SE refrigeration units](#)



Functions of the keys



• When depressed, the value visualized on the display will be increased.



• When depressed, the value visualized on the display will be decreased.



• When depressed and then released, during normal controller functioning, will visualize the main set-point.
 When depressed within 15 seconds after programming the set-point, will confirm said value.



• Depressing this key for 3 seconds during normal controller operations will start the manual defrost cycle.

LED indications

- **DP1 blinking:** indicates that one is in parameter programming mode or the main set point is being set.
- **DP1 ON:** compressor output is activated.
- **DP2 ON:** defrost output is activated

Error message

- **PF1 blinking:** short circuit or interruption of the thermostat probe input line.
- **PF2 blinking:** short circuit or

The Thermostat

To check the thermostat setting of the refrigeration unit:
 Switch the unit on and press the button. The compressor indicator DF1 will flash, and the value displayed is the current set-point.

To adjust the thermostat setting:
 Repeat the above, and select the required temperature using the and buttons. Press the button again within 6 seconds to record the new setting. The recorded value will flash 3 times to indicate that it has been correctly programmed.

Basic diagnostics

Display not functioning	Key not switched on. ACC fuse blown. (From ignition.) No mains power. (Standby mode)
Display on, but unit fans not operating	Main circuit breaker tripped. (At battery.) Check thermostat check point.
Fans operating, but fans not cooling.	Compressor not running. Check drive belt to compressor. Check compressor clutch Low / high pressure switch(s) open. Check condenser fan operation. Refrigerant level may be low.
Unit not operating on electric stand-by.	Check mains power. Check main circuit breaker / RCCB
Unit attempting to start on stand-by.	Low mains voltage. Use 1.5mm sq. cable up to 5M in length. Use 2.5mm sq. cable up to 10M in length. Do not use extension cables. Consult with electrician.
Fans operating, but not cooling on stand-by.	Stand-by compressor not running. Check electric motor over-load relay Check stand-by belt.
System running but not cooling less than 8 degrees	Evaporator coil blocked with frost Manually defrost unit.
System still not operating.	Contact dealer.

To operate refrigeration system

For road operation the vehicle engine should be running. The system is switched on via the control switch mounted to the side of the temperature display / controller. To switch off, flip this switch to the off position, or switch off the ignition and remove the key.

For stand-by operation, plug into the relevant power supply. The control switch must be in the ON position. If mains power is connected, and the vehicle is switched on, the system will operate in the stand-by mode.

Programming of the set-point is described above.

Unit identification

The "L" is designed for chill applications and operates with R134a refrigerant. The "S" is produced for larger vehicles with chill requirements and all frozen applications. This series operates with R404a refrigerant. Both the "L" and "S" series incorporate a defrost system that is programmed to operate every 3 hours during continuous use. It is also recommended to manually defrost the unit before the vehicle is parked up.

The designation "E" features an electric stand-by operation, to allow refrigeration when the vehicle is stationary.