



## TECHNICAL BULLETIN

### Status Alert Functions for Ultra Low Freezers

(Models Affected: MDF-U73VC, MDF-U53VC, MDF-53VA, MDF-U32V, MDF-U 73VC, MDF-U53VC, MDF-C2156VANC)



#### Procedure to Replace the Battery:

**NOTE:** The battery is located in an area where high voltage electrical lines are present. Therefore the power to the freezer must be disconnected at the source before this procedure is carried out.

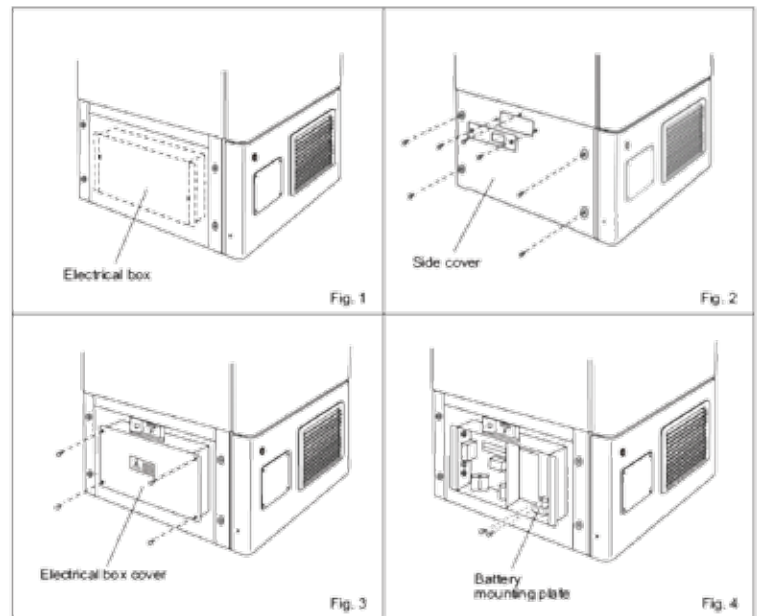
Most SANYO freezers, the battery is located next to the main control board which can be accessed by removing the side panel (top panel on chest freezers) and then removing the electrical panel cover. Once the battery is replaced and the panels are put back on the freezer, turn the power back on. At this point, it will be necessary to go into the freezer's 'function codes' to reset the battery timer. If this step is not performed, the battery lamp will continue to flash.

#### Status Messages Decoded:

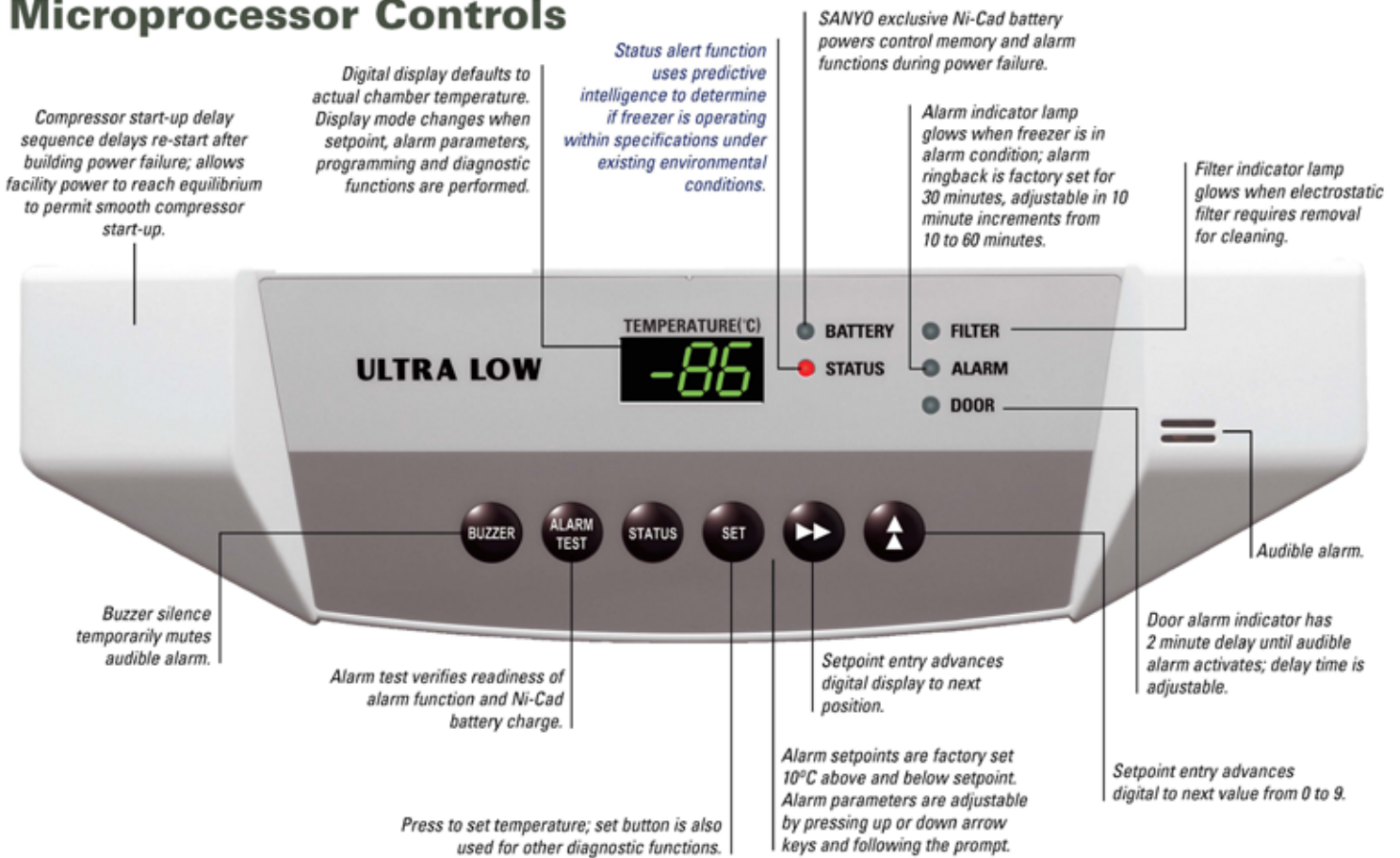
- 1** The ambient temperature in the room is either too low (below 0°C), or too high, (above 35°C). Check to make sure the air conditioning system is operating properly and that there are no obstructions in front of the freezer grill.
- 2** The voltage in the freezer is too low. Make sure the freezer is operating on its own circuit and that there are no other high power devices operating on the same circuit. Contact an electrician to verify that the freezer is receiving the necessary voltage while operating. In most cases, this should be a minimum of 198 Volts (for 220V systems). If this light is on, it means that the voltage is outside of the minimum 10% required for the freezer to operate properly.
- 3** The freezer is running too hard to maintain the temperature inside the chamber, which can occur for several reasons.

#### Is The Battery Light Flashing On The Front Panel of Your Ultra-Low Freezer?

As the years pass in the life of our ultra-low freezers, everyday maintenance issues are sometimes pushed to the wayside. These common issues are often related to the battery in the freezer's electrical compartment which controls the alarm back-up battery. This battery's sole purpose is to keep the alarms and controls operating on the freezer in the event of a power failure. Under normal circumstances, this battery will last many years, but can develop a memory which can severely limit the reserve capacity when needed the most. To assist customers in knowing when the battery needs to be replaced, all new SANYO freezer models have timers that monitor the battery life. This indicator will go off after 2.8 years of operation as a reminder to replace the battery.



## Microprocessor Controls



### Steps to Reset the Battery Timer:

1. Enter Function Mode on the front panel by pressing the ▲ key and holding for 5 seconds. 'F00' should appear in the display.
2. Press the ▶ key until 'F06' appears in the display, then press the 'SET' key.
3. The display should read '000' at this point. Using the ▲ and ▶ keys, change the display to read '409.'
4. Press set. The battery timer will now be reset and the flashing indicator will go off.
5. The normal display will return in about 30 seconds.