⓲ Dometic

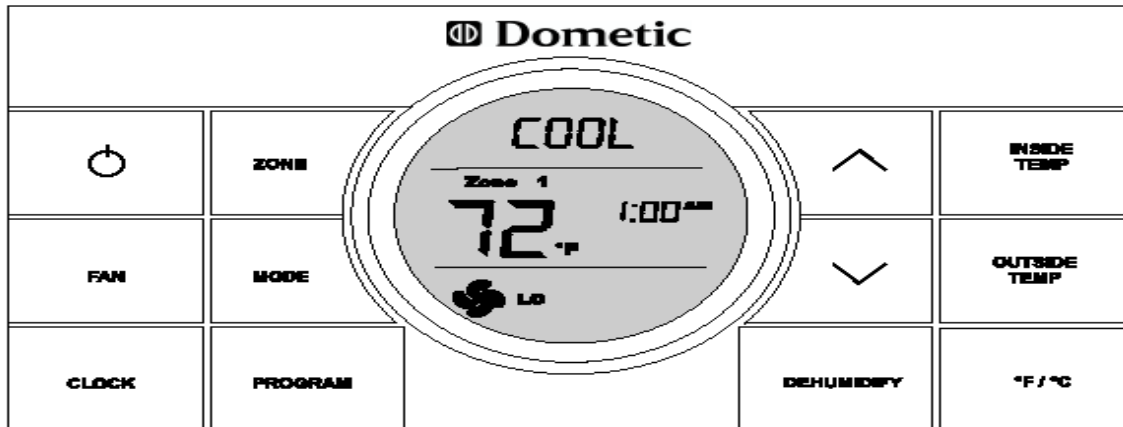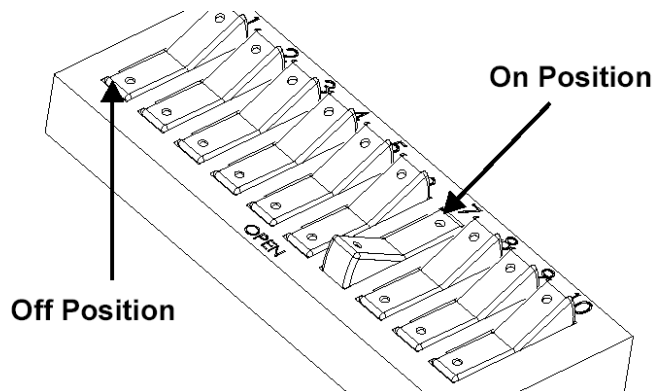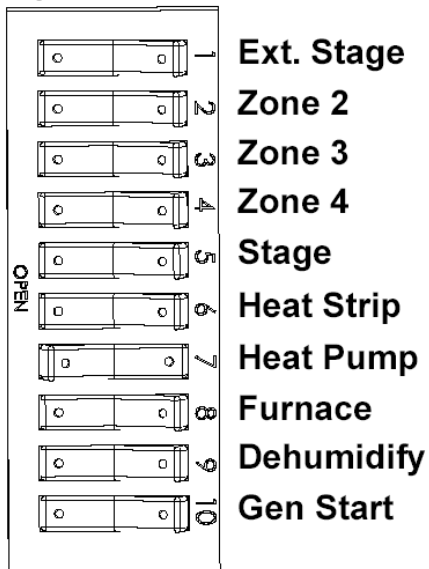## Comfort Control Center Thermostat
Operating Instructions

Diagnostics shall be initiated from the "System OFF" condition. To enter diagnostics mode, simultaneously press the Program, Fan and F/C buttons. When the system is in diagnostics mode, the display backlight shall be on continuously. The LCD will show "dIGN", the zone and the two digit number for diagnostic command. The only active push buttons in diagnostics mode shall be zone, up, down and ON/OFF. Diagnostics commands are selected by pressing the up or down button. To exit diagnostics and return to the "System OFF" condition, press the ON/OFF push button. Diagnostic command information is provided in the table below.

Diagnostic Command	Description	Comment
00	All outputs OFF	
01	Low Speed Fan ON	
02	Medium Speed Fan ON	
03	High Speed Fan ON	
04	Reversing Valve ON	
05	Compressor ON	
06	Heat Strip ON	
07	Furnace Output ON	
08	Load Shed Output ON	
09	LCD shows Indoor Temperature for the Remote Sensor	E2 if missing, E3 if shorted
10	LCD shows Outdoor Temperature	E4 if missing
11	LCD shows Evaporator Coil Temperature	E5 if missing
12	LCD shows 120 VAC status	'On' or '– –'
13	LCD shows Load Shed Status	'On' or '– –'
14	LCD shows Stage DIP Switch Position	'On' or '– –'
15	LCD shows Heat Strip DIP Switch Position	'On' or '– –'
16	LCD shows Heat Pump DIP Switch Position	'On' or '– –'
17	LCD shows Furnace DIP Switch Position	'On' or '– –'
18	LCD shows Dehumidifier DIP Switch Position	'On' or '– –'
19	LCD shows Gen Start DIP Switch Position	'On' or '– –'
20	LCD shows Ext Stage DIP Switch Position	'On' or '– –'

Error Codes

- E1 – Loss of communications
  - Two power module DIP switches set as same zone.
  - Communication cable.
  - 12 Volt DC not clean, Try direct DC from battery.
  - Causes Power Module to shut down
- E2 – Room Air Sensor Open Circuit
  - Unlikely to occur; if no Remote Sensor, CCC2 sensor is used.
  - Useful in Diagnostic Mode to test if Remote Sensor is installed on zone or open.
  - No Heat, Cool or Dehumidify operation
- E3 – Room Air Sensor Short Circuit
  - Error shown if either Remote Sensor or CCC sensor is shorted
  - No Heat, Cool
- E4 – Outdoor Ambient Sensor Out of Range
  - No Heat Pump
- E5 – Freeze Sensor Out of Range
  - Air Conditioner
- E6 – Open Circuit Humidity Sensor
  - Dehumidify operation is inhibited not used on current units
- E7 – 120 VAC not Detected
  - 120 second delay to allow for GEN START operation
  - All 120 VAC relays switched OFF (Furnace Relay not affected)
- E8 – Invalid Zone Configuration
  - Heat Pump & Heat Strip selected on same zone. Not allowed.
  - No Heat, Cool or Dehumidify operation on zone
- E9 – Invalid Zone Configuration
  - Dehumidify & Heat Pump or Heat Strip selected
  - No Heat, Cool

Dip Switches

1	Ext. Stage
2	Zone 2
3	Zone 3
4	Zone 4
5	Stage
6	Heat Strip
7	Heat Pump
8	Furnace
9	Dehumidify
10	Gen Start

OPEN

On Position

Off Position

System Configuration & Initialization

The installer of the system will set the required system DIP switches to the ON position. Reset; make sure the CCC 2 thermostat is in the OFF condition. Simultaneously press and hold the **MODE** and **ZONE** buttons. The LCD will display "IniT" and all available zones. Release the **MODE** and **ZONE** buttons. Press the **ON/OFF** button to exit system set up.