



Partners in Quality. Your Success is Our Focus.

Feature Function List

Level 3 **Form**
Process: Feature Function List Copy #: Revision: 06.16.98
Doc. Control #: IDF00070.DOC Page: 1 of 2
Orig. Date: 06.16.98

Balboa Instruments, Inc., Serial Standard Digital Control System, Model: M2/M3 (filter select "B" pos. jumper)

- Software program: M2/M3R1C
- 120/240V convertible or 240V dedicated
- LED function indicators
- 30 day battery back-up (takes 1 1/2 hrs to charge)
- Solid-state accuracy $\pm 5^{\circ}$ F
- Optional O₃ photo sensor
- Optional 2-button aux. panel (pumps/blower)
- Digital temperature display: 80° F - 104° F
- Temperature set back/20° F below set/Economy
- Fiber optic light option(J17 both pins):sequence: light & colorwheel, light, off.
- Pump2 option (J10 on both pins for 1 pump, on 1 pin for 2 pumps)
- Economy/Standard mode selection (can disable heater in economy mode)
- Automatic timeouts for each function:
 - 120V or 12V light (jumper selectable J12 & dimmable): 4 hrs.
 - 120/240V Pump1 hi: 30 min. 240V Pump2 hi: 30min
 - 120/240V Pump1lo: 4 hrs. 120/240V Blower: 30 min.
- Settable filter times – First turns on for 1 min. after power up, second turns on 12 hours later. Duration programmable for 2, 4, 6, or 8 hours. Default is 2 hours. Push \uparrow or \downarrow then pump1 to program. Push \uparrow or \downarrow to adjust. Push pump1 to exit.
- O₃ disable - Ozone is disabled for 1 hour with any function button press, then turns on with pump1-lo (for non-circ.) for 4 hours to clean spa.
- Circ./Non-circ. pump option (J6 on both pins for circ., one pin for non-circ.) In circ. mode, circ. pump turns off if water temp. is 2° F above set temp., then back on 1° F below set temp. Always turns on during filter cycle.
- Automatic air channel cleanout - 30 seconds once/day. Pump2-hi = 5 min. for non-circ.;
- Pump1-hi & Pump2-hi = 5min. for circ. pump
- Automatically backlit panel for day/night visibility
- Piezo switches
- Time of day
- Custom graphics
- 20/30/50 A power configuration
- Optional additional freeze sensor input
- Optional ORP/pH system
- Optional remote panel



Partners in Quality. Your Success is Our Focus.

Feature Function List

Level 3 **Form**

Process: Feature Function List

Doc. Control #: IDF00070.DOC

Orig. Date: 06.16.98

Copy #:

Revision: 06.16.98

Page: 2 of 2

Balboa Instruments, Inc., Serial Standard Digital Control System, Model: M2/M3 (filter select "B" pos. jumper) continued

- Automatic default — temp. & filtration - 100° F.
- Automatic freeze protection @ 40° F
- High-limit protection — 2 levels: software and hardware
 - Diagnostic message visible on the LCD
 - * Sensor failure detection - "Sn1" or "Sn3"
 - * Overheat detection - "OH"
 - * Flow switch - "FLO"
 - * Freeze detection - "ICE"
- Spa side panel high-limit reset