

# Controller Switches, Buttons & Indicators

## Short Instructions

**TIME BUTTON:** Push & Release once to set **DAY**, then push the **UP** or **DOWN** to change. Push & Release **TIME** to set **HOUR**, push the **UP** or **DOWN** to change. Push & Release **TIME** to set **MINUTES**, push the **UP** or **DOWN** to change. Push & Release **TIME** to return to **IDLE** mode (Ready to fill Mode). When the control is first powered up **TIME** must be set to use.

**START/STOP BUTTON:** Push & Release to start **FILL** cycle. Push & Release to cancel **FILL** cycle. **Note:** Must be in **IDLE** mode to start a **FILL** cycle.

**DELAY FILL ON/OFF BUTTON:** 1) Push & Release to start a **RELATIVE DELAY TIME FILL** cycle (lunch time delay fill cycle). To change the start time in minutes use the **UP** or **DOWN** button to change its value (changes are made in 10 min. increments \*) **Note:** Delay time can only be changed for the first min. of the start of this cycle. 2) **OR** Push & hold until the display reads the **ABSOLUTE DELAY FILL TIME** (day hr : min am/pm) to start a fill cycle. Push & Release again to cancel a **DELAY FILL** cycle. **Note:** This time is set by the **FILL** button under the display in **IDLE** mode only.

**FILL BUTTON:** To set **ABSOLUTE DELAY FILL TIME**.

**Note:** This can be set to start a **FILL** cycle in the next 24 hours of setting & turning on.

Push & Release once to set **HOUR**, then push the **UP** or **DOWN** to change

Push & Release **FILL** to set **MINUTES**, push the **UP** or **DOWN** to change.

Push & Release **FILL** to return to **IDLE** mode (Ready to fill Mode).

**HISTORY & ALARM RESET BUTTON:** 1) Push & Release to silence the alarm after a **FILL** cycle & to return to **IDLE** mode. **Note:** After a **FILL** cycle has been completed, the **ALARM** will be sounding that a **FILL** cycle has been completed. Remove the water fill hose from resurfacer & then push this button. 2) Push & Release (in **IDLE** mode only) to view on the **DISPLAY**, the history of **FILL** cycles up to 7 days back in time. Push & Release again to stop reviewing **HISTORY** & return to **IDLE** mode **Note:** Use the **UP** & **DOWN** button to cycle thru **HISTORY** recorded records.

**TIME LIMIT SWITCH:** Remove panel plug to expose switch. Use the supplied small screw driver to adjust slowly (range from 5 min to 59 min) the maximum **FILL** cycle allowed time. (**SAFETY TIMER**) When adjusting the display will show the changes. **Note:** On power up, this time is set to 25 min.

**STANDBY ON/OFF SWITCH:** Switch set in up position, front panel is activated. Switch set in the down position, front panel is deactivated. Deactivated mode, buttons, light indicators & **DISPLAY** back lighting is turned off. **DISPLAY** is still on, **TIME** is being kept & the control computer is kept running. **Note:** **STANDBY** mode is used when the resurfacer(s) is not going to be used for long periods of time. Do not unplug controller except for moving.

**DISPLAY INDICATOR:** Displays time, instructions, modes of operation, history & warning messages. **Note:** When warning messages are shown to be available in **IDLE** mode, Push & Release the up button to view.

**RED/FILLING & GREEN FILLED INDICATOR:** When lit red, filling mode is on. When lit green, the resurfacer is filled. When blinking green, **SAFETY TIMER** (set by the **TIME LIMIT SWITCH**) shut off the filling cycle. **Note:** When the **ALARM** reset button is Push & Release the green indicator light is shut off.

**SAFETY TIMER & CHECK TRANSMITTER INDICATOR:** When blinking the **SAFETY TIMER** has shut off the fill cycle. This light will continue to blink, until the controller has shut the filling cycle off, by receiving an overflow signal from the resurfacer transmitter(s). **Note:** If this indicator blinks, the **TIME LIMIT SWITCH** time has been set for too short a time to fill the resurfacer or the resurfacer transmitter has failed to send an overflow signal.

**REPLACE RESURFACER BATTERY INDICATOR:** When blinking the 9 volt battery in the resurfacer transmitter(s) is weak, you have up to one month to replace it with a alkaline battery. When lit solid, the resurfacer transmitter(s) is going to fail within several days. **Note:** If you have multiple resurfacer transmitters, then display warning messages (explained before in **DISPLAY INDICATOR**) to find out which transmitter battery is failing.

**REPLACE INTERNAL BATTERY:** When blinking the 9 volt internal rechargeable controller battery is weak & is starting to fail. Replace it with a **NiMH** battery. When lit, solid, the battery has failed. **Note:** This battery can also be replaced with a **NiCD** battery (**NiMH** is the preferred replacement). If this battery has failed, when there are power failures, the controller computer will shut down & restart when the power is restored. All program\* settings & time setting will be lost.

**ALARM INDICATOR:** Sounds to warn, when a **DELAY FILL** begins to start. Also sounds to indicate when the resurfacer is filled & to remind a operator to remove the hose from resurfacer, before driving away. **Note:** Alarm can programmed\* for loudness, length of on & off times, number of warning cycles, number of beeps, number of warning cycles & to shut it on & off.

\* Refer to advanced programming manual to program these values.

**WARNING:** This device operates under Part 15 of the FCC rules. Any modification to this device not expressly approved by ICEM Enterprises Inc. /D.B.A. Ice Makers Co. may void the user's authority to operate this device.

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