

Function

The Crystal Fountains ECL Panel implements the control functions which are monitored by the electronic water level sensors as follows:

Quick Fill Operation

Energizes 24 volt solenoid actuated water supply valve required to sustain optimum operating water levels.

Safe-Off Operation

Shuts down all in-pool electrical functions during low or unsafe water level situations.

Maxi Level Control

Allows greater water level differentials between upper and lower operating levels. Utilizes two sensors instead of one in special situations; for example, wavy pools or multi-level applications which may temporarily incur unusual water displacements. This sensor may also be utilized to signal high water or flood conditions on indoor and upper level installations.

ECL200 Water level control panels are UL and ULC listed.

Specifications

INDOOR PANELS - c/w. NEMA/EEMAC 1 enclosure made from galvanized steel with gray powder coat finish, knockouts are provided for conduits.

ECL100S - One sensor for safe-off only.

ECL100U - One sensor for quick fill only.

ECL200 - Two sensors for quick fill and safe-off.

WEATHER PROOF PANELS- c/w. NEMA/EEMAC 4X enclosure made from compression moulded fiberglass reinforced polyester with glass or polycarbonate cover, watertight with polyurethane-foam seal.

ECL100SW and ECL100UW - same as ECL100S and ECL100U respectively with weather proof Enclosures.

ECL200 W - same as ECL200 with weather proof enclosure.

ECL300 Series - Three sensors for quick fill, safe-off and maxi-level control with standard weather proof enclosure. Specify A, B or C:

ECL300 A - use in reservoir application.

ECL300 B - use in differential application.

ECL300 C - use in in high water alarm application.

Electrical Rating

Line Voltage: 120VAC / 60Hz or 220/240VAC / 50Hz, 3A

Sensor requirement: 24VAC (recommend Crystal Fountains ES series level sensors).

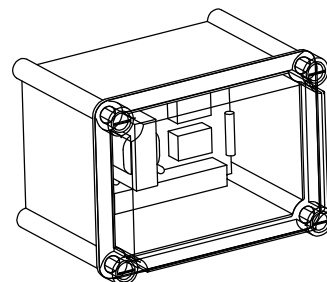
Solenoid requirement: 24VAC / 60Hz, inrush 0.4A / holding 0.2A, normally-closed (recommend Crystal Fountains AVQ series normally-closed fill valves).

Options:

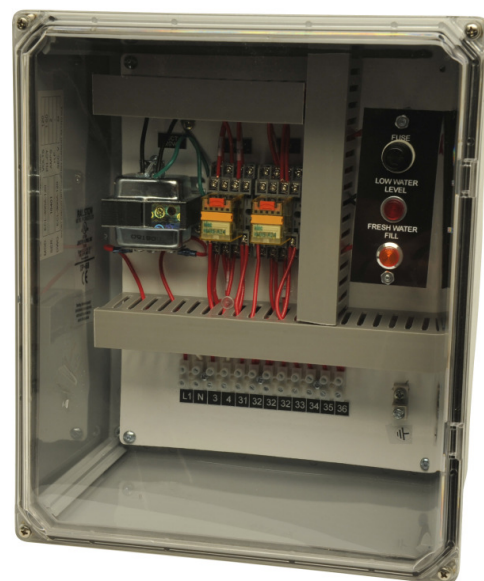
Add "-240" to end of part numbers when ordering 220/240VAC panels:
e.g. ECL100S-240, ECL200 W-240, ECL300 A-240



ECL100S, ECL100U, ECL200
dim: 6"(w) x 6-1/4"(h) x 4-1/4"(d)
155mm x 160mm x 110mm



ECL100SW, ECL100UW, ECL200 W
dim: 7-1/4"(w) x 5-1/4"(h) x 5-1/4"(d)
185mm x 135mm x 135mm



ECL300 A, ECL300 B, ECL300 C
dim: 9-1/4"(w) x 11-1/4"(h) x 6-1/4"(d)
235mm x 285mm x 160mm