

DURAKOOL

APPLICATION NOTE

Optical Liquid Level Sensor

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Application: Ice machine condensation collection spillover control system

Required Function: A sensor to signal when the water level in a condensation holding reservoir reaches a certain level at which point it activates a pump to empty the condensate pan.

Previous Technology & Reason for Change: customer was using a standard reed type float switch that was not performing to their reliability standards and it was a cumbersome attempt to solve their requirements.

Product: [D200D3SHL](#)

The sensor requires low power and no moving, mechanical parts. Because of the low voltage requirements and the standard liquid temperature, a D200D3SHL was suggested as there was not a need for more power or higher temperature ratings.

Benefits: Small size, accurate and repeatable switch point, no moving parts.

