

case study



Seal of approval. Sealed switch means smooth sailing for a marine systems manufacturer.

With transportation systems, precise synchronization of a complex network of pieces and parts is the name of the game. Normally, perfecting this fine balance is complicated enough. But add another variable to the mix — such as water — and the requirements to keep the system functioning increase dramatically.

Honeywell



Sealed for Water-Ready Performance

Case in point: A global manufacturer of marine systems, including

transmissions, propellers, surface drives, controls, and propulsion systems for fast craft, pleasure craft, and commercial vessels. To meet the performance needs of its customers, the manufacturer requires parts that can withstand harsh environmental conditions while still performing flawlessly.

“Providing dependable marine control systems is the very foundation of what we do,” a design engineer from the company explained, “Every part we use needs to be water-ready and able to perform.”

To that end, when the manufacturer sought a switch that would help with a throttle control system, it had clear requirements: it needed a long-life switch that would keep systems running in all conditions, no matter how wet. Specifically, the company sought a waterproof switch to control the position of the throttle arms during all phases of motor control.

The solution came in the form of the Honeywell MICRO SWITCH™ Sealed Subminiature Standard ZW Series, an electromechanical line of switches ideal for simple or precise ON/OFF applications in harsh environments. The lightweight, compact switch has a sealed degree of IP67, giving it a high level of protection against elements such as dirt and water. It

also includes abundant electrical capacity to support demanding applications for long periods of time.

“The ZW switch is a durable answer to our throttle control needs,” the manufacturer said. “Its sealed design and ample electrical capacity will enable us to provide trouble- and worry-free boating for our customers for years to come.”

For more information about sensing and control products, visit www.honeywell.com/sensing or call +1-815-235-6847
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