

PTF-22-PDC: Regulatory Compliance & Hygiene Control



The PTF-22-PDC programmable piezo switch is engineered to meet the most demanding regulatory and public health requirements for sanitary installations such as public showers, emergency fixtures, and drinking water systems. With its ultra-low power design and optional battery operation, it delivers compliance not only in standard facilities but also in remote or standalone applications.

Key Regulatory Alignment

OSHA 29 CFR 1910.141 (Sanitation & Showers)

The PTF-22-PDC maintains shower and washroom hygiene through programmable flush cycles that automatically clear stagnant water and an integrated shut-off that prevents waste. These features support sanitary facility operation as required under OSHA standards.

ANSI/ISEA Z358.1 (Emergency Showers & Eyewash)

The switch can be programmed for weekly activation, timed operation, and hands-free flow, ensuring emergency showers meet the weekly testing and flow-duration requirements specified in ANSI/ISEA Z358.1.

CDC & Health Canada Legionella Guidance

With a built-in hygiene flush function (24h/48h/72h intervals, adjustable duration, and delay), the PTF-22-PDC prevents water stagnation and bacterial growth. A Smart flush mode resets the timer after use, reducing water consumption while still aligning with preventive guidance from public health authorities.

EPA WaterSense / LEED (Sustainability Credits)

Configurable flow time and security timers optimize water use by limiting unnecessary run time while still ensuring proper flushing. This makes the switch compatible with sustainability frameworks such as EPA WaterSense and LEED water efficiency credits.

ADA Accessibility Standards

Activation requires as little as 0.5 N, compared to 3–5 N for typical mechanical buttons, and remains fully operable with one hand, or finger. This far outperforms the ADA maximum activation force of 22.2 N, ensuring accessible operation for all users.

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Connectivity & Proof of Compliance

The PTF-22-PDC is equipped with a built-in communication protocol that allows integration with IoT systems, building management platforms, or direct data export. When connected, hygiene flush and activation events can be logged and retrieved, giving operators clear documentation of flushing cycles and weekly activations whenever proof of compliance is required.

The same communication protocol also supports [self-test functionality](#), enabling the switch to report its operational status or trigger alerts when required. This proactive diagnostic capability aligns with the growing emphasis in frameworks such as ASHRAE 514 and provincial water management programs on verification and traceability, not just operation.

Future-Ready Design

The PTF-22-PDC provides programmable hygiene flush cycles with adjustable intervals, duration, and delays, ensuring flexibility for different facility requirements. Flow time and lockout settings balance hygiene needs with water conservation, helping operators meet both health and sustainability objectives.

Its ultra-low power architecture enables [long-life battery operation](#), allowing compliance in locations where mains power is not available, including remote or retrofit installations. The switch is also built on a firmware-based platform, allowing new features and functions to be added as regulations evolve. This ensures facilities remain compliant with current requirements while being prepared for changes in future standards.

Why It Matters

For facility owners, operators, and specifiers, the PTF-22-PDC makes compliance simple. Manual flushing schedules and extra maintenance steps are no longer needed because hygiene control is built into the switch. This lowers effort, reduces cost, and minimizes risk.

Its ultra-low power design with optional battery operation extends compliance to remote, outdoor, and standalone installations where other solutions are impractical. The result is a switch that keeps facilities safe, compliant, and ready for future requirements.

Engineered for compliance today. Ready for tomorrow.