Product Datasheet

Rosemount™ 702 Wireless Transmitter

Alarms and beacons alert to an activation locally but on remote or large sites this can be costly and problematic to implement.

Wirelessly linking remote locations ensures that in the event of an emergency shower being activated, on-site responders are alerted instantly.

- Self-organising network delivers information rich data with > 99% data reliability
- IEC 62591 (WirelessHART®) - industry standard - Self organising, adaptive mesh routing - No wireless expertise required, network automatically finds best communication paths
- Reliable wireless architecture - Standard IEEE 802.15.4 radios
- Momentary inputs are continuously measured between wireless updates
- Intrinsically safe power module - allows field replacements without removing the transmitter from the process, keeping personnel safe and reducing maintenance costs.
- Optimised Emerson™ instrumentation

WirelessHART

Specifications

MATERIALS OF CONSTRUCTION	
ENCLOSURE	Housing: low-copper aluminium or stainless steel - Paint: Polyurethane - Cover O-ring: Buna-N
TERMINAL BLOCK AND POWER MODULE PACK	PBT
ANTENNA	PBT/PC integrated omni-directional antenna
SERVICES	
SWITCH INPUT	Single or dual SPST dry contacts, single SPDT dry contacts
SWITCHING THRESHOLD	Open > 100 K Ohm - Closed < 5 K Ohm
REACTION TIME	Detects momentary discrete inputs of 10 millisecond or more duration
WIRELESS OUTPUT	IEC 62591 (WirelessHART) 2.4 GHz DSSS
HUMIDITY LIMITS	0-100% relative humidity
WIRELESS UPDATE RATE	User selectable, 1 sec. to 60 min.
ELECTRICAL CONNECTIONS	Replacable, Intrinsically Safe Lithitum-Thionyl Chloride power module with PBT polymer enclosure. Ten year life at one minute update rate.
CONDUIT ENTRIES	1/2-14 NPT
TEMPERATURE LIMITS	Operating limit: -40 to 185F -40 to 85C Storage limit: -40 to 185F -40 to 85C
DIMENSIONS & WEIGHT	
WEIGHT	3.6 KG