

Product Datasheet

ROSEMOUNT™ 702 WIRELESS TRANSMITTER for Emergency Safety Showers Optional Fittings



WirelessHART

In the event of an emergency safety shower activation, it is critical to alert co-workers who can provide assistance and contact emergency services. 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.

Key details

- Self-organising network delivers information rich data with > 99% data reliability
- **IEC 62591 (WirelessHART®) - the industry standard** - Self organising, adaptive mesh routing - No wireless expertise required, network automatically finds the 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** - Both hardware and software to extend power module life

Specifications

TECHNICAL DATA	
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
LOCAL DISPLAY	Optional LCD screen variant also available
HUMIDITY LIMITS	0-100% relative humidity
WIRELESS UPDATE RATE	User selectable, 1 sec. to 60 min.
ELECTRICAL CONNECTIONS	Replacable, Intrinsically Safe Lithium-Thionyl Chloride power module with PBT polymer enclosure, Ten year life at one minute update rate.
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
CONDUIT ENTRIES	1/2-14 NPT
WEIGHT	Stainless steel : 3.6 KG
TEMPERATURE LIMITS	Operating limit: -40 to 185°F -40 to 85°C Storage limit: -40 to 185°F -40 to 85°C

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Justrite Safety Group

Hughes Safety Showers Ltd, Whitefield Road, Bredbury, Stockport SK6 2SS UK.

Email: sales@hughes-safety.com

Tel: +44 (0)161 430 6618

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