

FireLock™ Water Motor Alarm

Series 760



1.0 PRODUCT DESCRIPTION

Function

- Mechanical, water-powered device to signal the flow of water in an automatic sprinkler system
- Typically installed on a wall with the motor inside the building and the gong outside for maximum audibility

Application

- The standard water motor alarm assembly accommodates wall thicknesses from 2 – 13"/51 – 330 mm. Wall thicknesses that fall outside this range must be specified at the time of order. A riser mounting kit is available that will fit 2½" – 8"/DN200 pipe sizes in vertical or horizontal position.
- The total length of alarm line piping must not exceed 75 ft/23 m.
- The water motor alarm assembly must not be located more than 20 ft/6 m above the sprinkler control valve.
- Alarm line piping from a retard chamber to the water motor alarm must be galvanized and ¾"/20 mm minimum in diameter. If pressure is low, or if longer runs of piping are necessary, larger diameter galvanized piping must be used.
- A maximum of three sprinkler system control valves can be connected to one water motor alarm. The sprinkler system control valves must be located in the same hazard area.
- A check valve must be installed in the piping from each sprinkler system control valve to ensure proper operation of the water motor alarm.
- A 50-mesh strainer with ¾"/20 mm NPT threaded-end connection is provided for compliance with NFPA 13 requirements. This strainer must be installed in the alarm line at the alarm motor housing's inlet.
- Drain piping must be 1"/33.7 mm in diameter.
- Piping must be pitched so that water will drain back to the sprinkler system control valve and through a corrosion-resistant orifice no larger than ⅛"/3 mm.
- Drains must be piped to a heated space where no personal injury, property damage, or freezing will occur when the alarm is operating.

2.0 CERTIFICATIONS/LISTINGS



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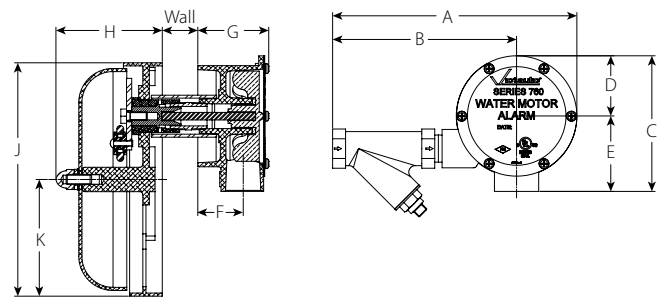
ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

3.0 SPECIFICATIONS – MATERIAL

Water Motor Alarm Shell: Aluminum
Water Motor Alarm Shell Coating: Red enamel
Mechanism: Stainless steel

4.0 DIMENSIONS

Series 760



Size	Dimensions										Approx. Weight Each
Nominal inches mm	A inches mm	B inches mm	C inches mm	D inches mm	E inches mm	F inches mm	G inches mm	H inches mm	J inches mm	K inches mm	
¾	9.42	7.10	5.23	2.32	2.91	1.75	2.74	4.10	9.00	4.50	6.7
20	239	180	133	58	74	45	70	104	229	114	3.0

- NOTES
- The VdS/CE Listed water motor alarm is provided with ISO 7-1 threads (BSP) and maintains the UL Listing and FM Approval.

5.0 PERFORMANCE

Not applicable – contact Victaulic with any questions.

6.0 NOTIFICATIONS

⚠ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

- These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA) standards, or equivalent local and national fire protection standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.
- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

[10.01: Victaulic Products for Fire Protection Piping Systems - Regulatory Approval Reference Guide](#)

[I-760: Series 760 FireLock Water Motor Alarm Installation Instructions](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the [Victaulic Installation Handbook](#) or installation instructions for the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [victaulic.com](#).

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Intellectual Property Rights

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Note

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