

Initiator

for Spherical Agent Storage Containers
P/N 93-002009-004



A UTC Fire & Security Company

F-93-1934

FEATURES

- 4 Pin Threaded Connector
- Supplied with shorting device for safe and easy handling

DESCRIPTION

The initiator is a compact releasing device, containing a small explosive charge, which allows the control panel to simultaneously discharge multiple spheres on a single releasing circuit.



Handle and store in accordance with appropriate federal, state, and local regulations governing explosive materials.



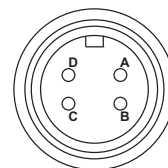
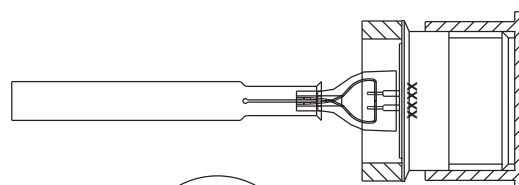
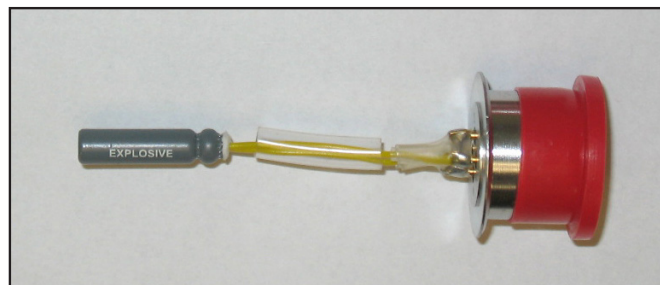
Never handle, transport, store, or install the initiator assembly unless the shorting device supplied with the assembly is properly installed. Safety glasses or a face shield must be worn when handling these devices. Ensure that the fixture, tools, initiator and installer are all grounded to the same point. Improper handling, misuse or abuse of this device can cause bodily injury.

OPERATION

A 2.0 amp electrical current activates the initiator assembly, which ruptures the sphere's burst disc valve. The initiator is destroyed by its operation and must be replaced whenever a system is actuated.

INSTALLATION

The initiator assembly is inserted into a well in the agent storage container and connected to the cable assembly (29-126879-00X) provided with each sphere. Reference the applicable Fenwal design manual for details on the proper installation and testing procedures for this device.



VIEW SHOWN WITH
SHORTING DEVICE REMOVED

MAINTENANCE

The initiator assembly shall be stored in accordance with federal, state and local regulations and stored at a 70-75°F (21-24°C) ambient temperature range. The service life varies with the maximum temperature to which it is exposed for an appreciable length of time. See Table 1. At the end of its service life, the initiator must be removed and destroyed in accordance with local regulations. A four digit date code is stamped on each initiator. The first two digits indicate the year of manufacture. The last two digits indicate the week (out of 52 weeks). If an initiator is installed in an agent storage container that has relieved as a result of an over-pressure, both the initiator and well assembly should be replaced regardless of the initiator's age. The initiator must be destroyed in accordance with local regulations.

SPECIFICATIONS

Weight:	1.04 oz. (29.5 g)
Length:	3.19 in. (81 mm)
Diameter:	1.125 in. (285 mm)
Bridge Resistance:	1.6 Ohms
Series Firing:	Maximum of 8 devices per circuit
Base Charge:	200 mg Lead Azide
UN/NA Number:	UN0255
Primary Hazard Class/Division:	1.4B

Table 1: Service Life

Maximum Exposed Temperature		Service Life Years
°F	°C	
80	26	5
100	37	3
120	48	2
130	54	1

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If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. Telephone: (508) 881-2000.



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