

# CLEAN AGENT FIRE EXTINGUISHING SYSTEM

## Release Devices

**Minimax Fire Products** Technical Services: (480) 553-5670 Email: mxtechsupport@minimaxfp.com

The technical data described herein is for components of the Minimax Fire Products MX 1230 and MX 200 Clean Agent Systems. For design, installation, and operation instructions, refer to the latest edition of the original source documents: For MX 1230 - Installation and Service Manual (Part No. 889327), Design Manual (Part No. 889334), and Operation Manual (Part No. 889325). Or, for MX 200 - Installation and Service Manual (Part No. 889331), Design Manual (Part No. 889336), and Operation Manual (Part No. 889329).

### 1. DESCRIPTION

Minimax Fire Products MX 1230 and MX 200 Fire Extinguishing Systems use an electric releasing device to activate each cylinder valve, which in turn opens the extinguishing agent container to release extinguishing agent to the system.

- In order for the valve to open, the release device must have an electric signal from the extinguishing system.

In Multi Container Systems, an electric release is used on the master cylinder only and each additional cylinder uses a pneumatic release device. The pneumatic release device is threaded onto the valve and is equipped with two connections for pneumatic pilot line(s) (or one pilot and a pilot line safety valve) to be attached via a pilot line adapter.

Optional manual release and pneumatic/manual release device assemblies are available. The manual release device and the pneumatic/manual release device fits onto the electric release device and is used to activate the cylinder valve, which in turn opens the extinguishing agent container to release extinguishing agent to the system. When a manual release device or a pneumatic/manual release device is installed, a pneumatically actuated limit switch (pressure switch) is required on the pipeline to indicate a release per NFPA 2001.

- The manual release and pneumatic/manual release device allow the system to be activated by pulling the lock pin and pressing down the release lever.

### 2. LISTINGS AND APPROVALS



**UL Listed:** Clean Agent Extinguishing System Unit



**FM Approved:** Clean Agent Fire Extinguishing System

### 3. TECHNICAL DATA

#### Specifications

- Maximum Operating Temperature: UL/ULC 0°F to 81.5°F (-18°C to 27.5°C), FM 0°F to 122°F (-18°C to 50°C)

#### Electric Release Device

- Nominal Voltage: 24 V / DC +/- 15%
- Nominal Current: 0.5 A +/- 10%
- Max. Supervision Current: 20 mA
- On-Time: 100%

#### Material Standards

Electric Release Device: Case: Stainless Steel  
Cap Nut and Flange: Brass UNS-C36000

Pneumatic Release Device: Brass UNS-C36000

Manual Release: Brass UNS-C36000

Pneumatic/Manual Release: Brass UNS-C36000

#### Ordering Information

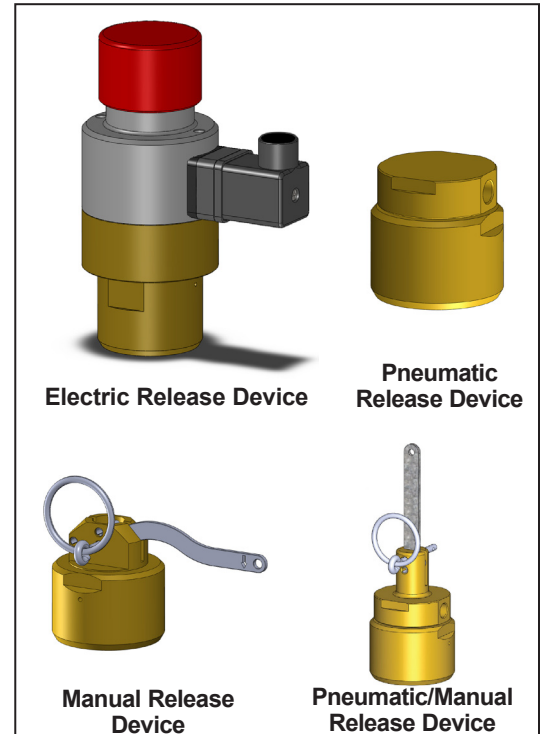
To order the MX 1230 and MX 200 Fire Extinguishing System Electric Release Device, refer to part number 88 9323.

To order the MX 1230 and MX 200 Fire Extinguishing System Manual Release Assembly, refer to part number 17551.

To order the MX 1230 and MX 200 Fire Extinguishing System Pneumatic/Manual Release Assembly, refer to part number 887670.

Reset Tool: Part number 17096

To order the Pneumatic Release Device, refer to part number 88 7669.

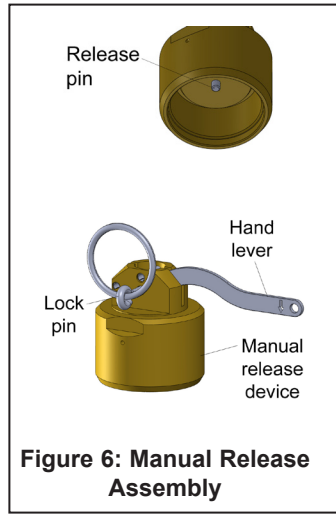
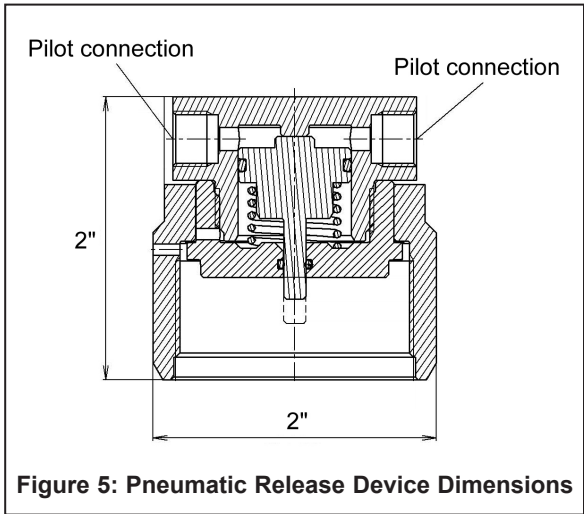
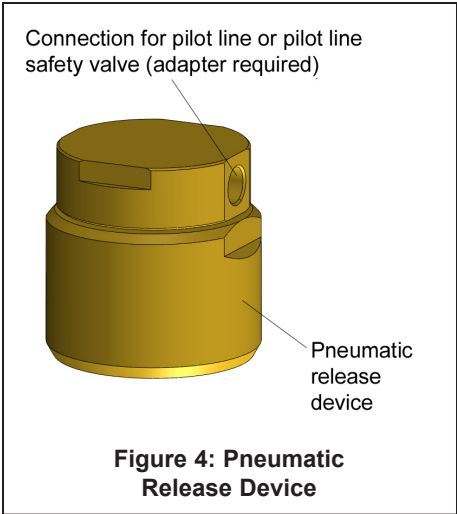
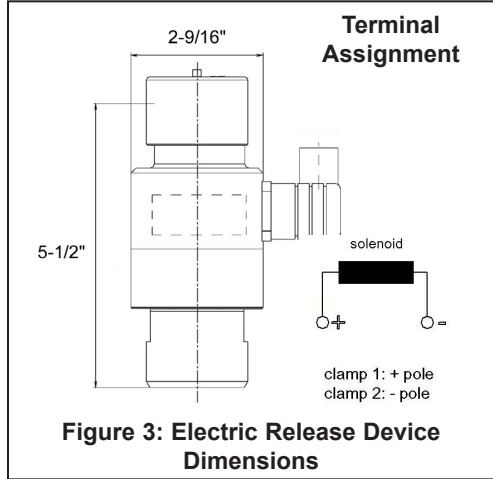
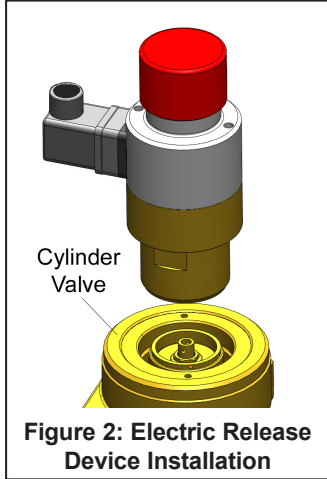
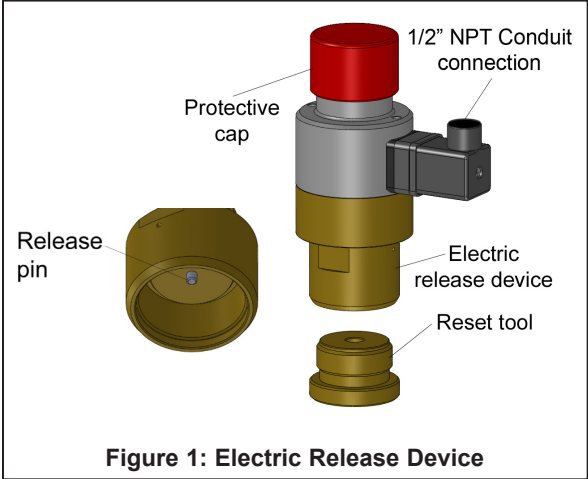


Minimax Technical Data may be found on Minimax Fire Products' Web site at <http://www.minimaxfp.com/>. The Web site may include a more recent edition of this Technical Data Page.

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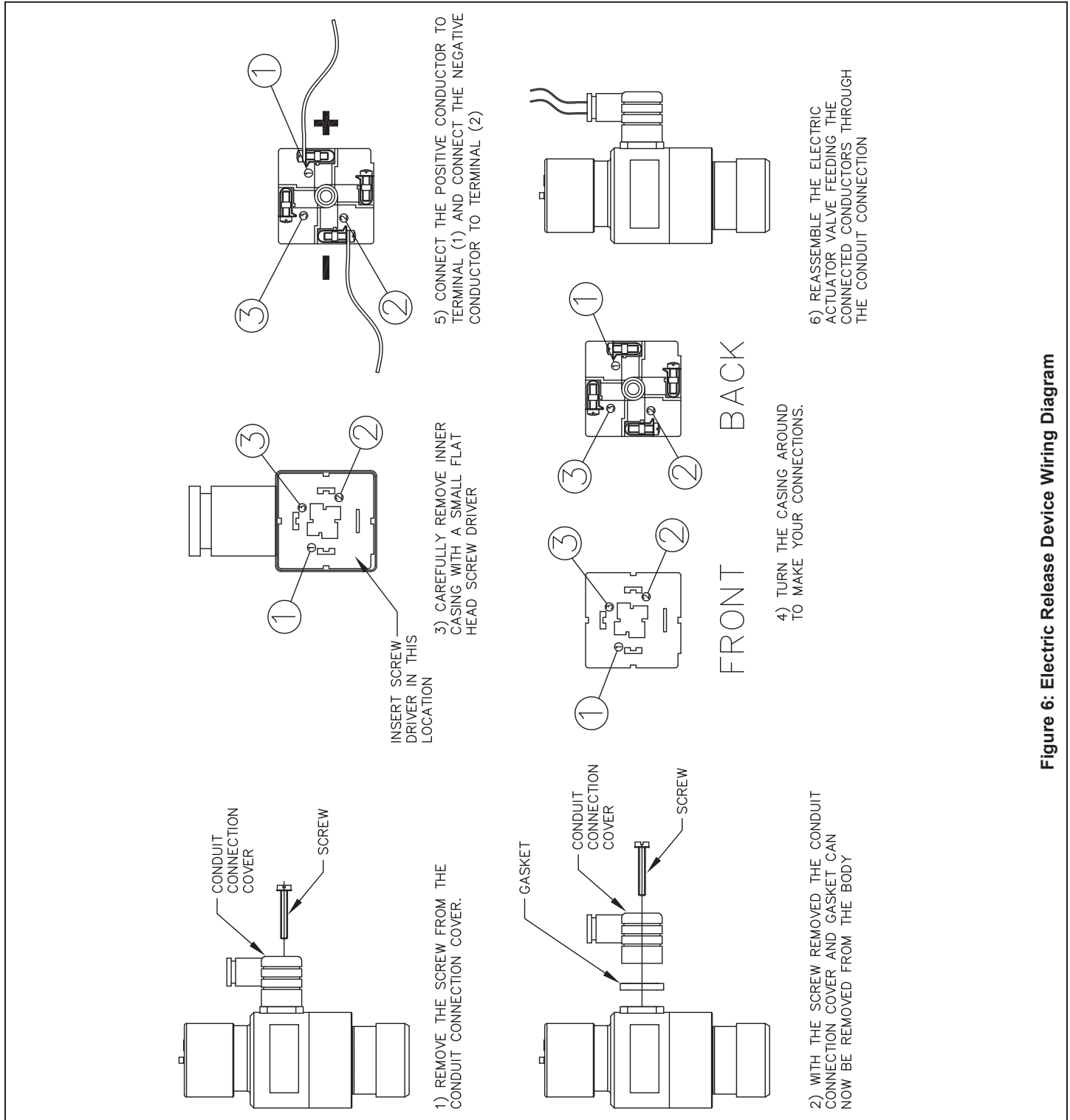


Figure 6: Electric Release Device Wiring Diagram