High Pressure Carbon Dioxide

Pneumatic Time Delay

Description

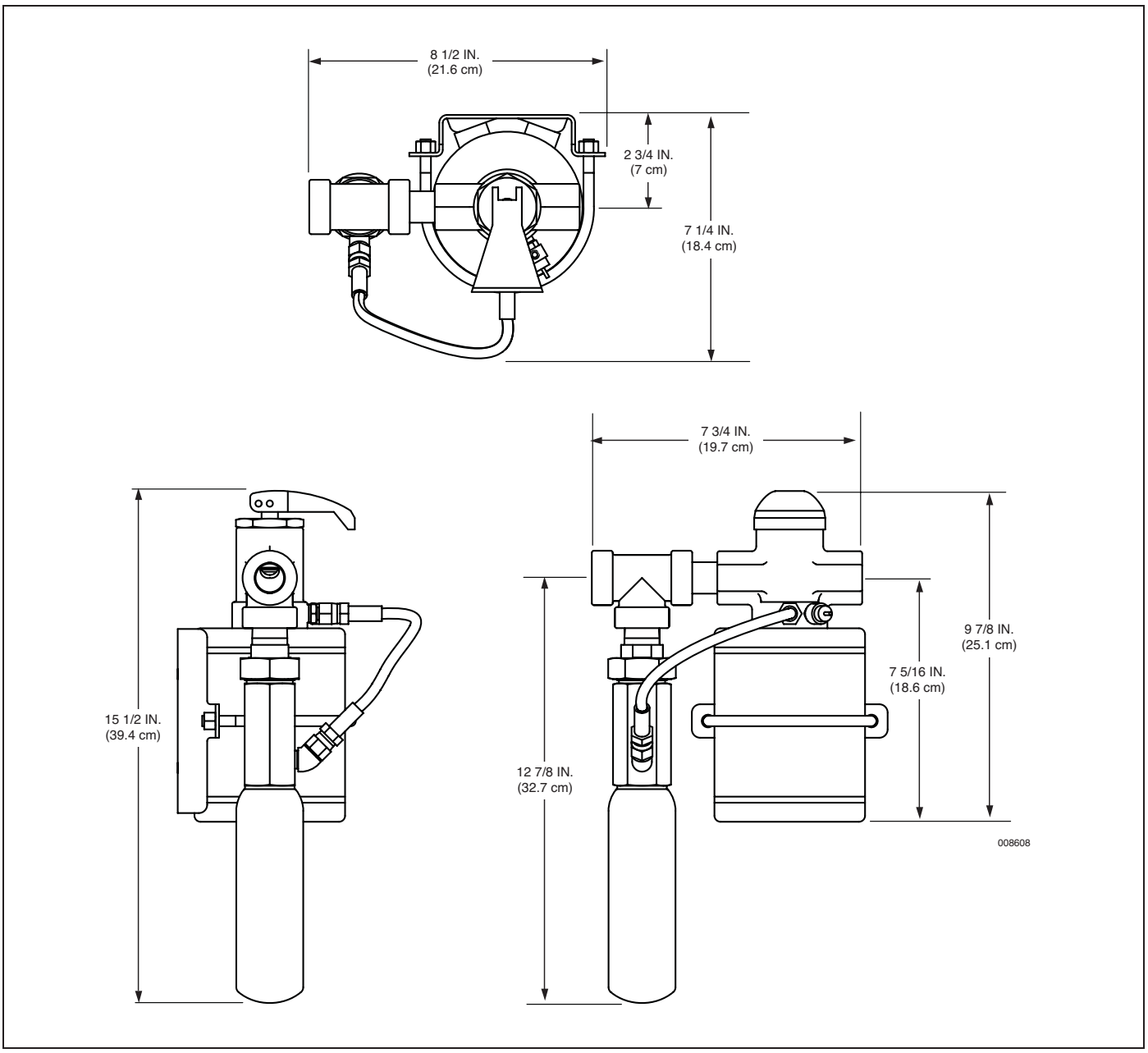
To meet the requirements of NFPA 12, a mechanical time delay is required for all carbon dioxide systems that protect "Normally Occupied" or "Occupiable" spaces protected with total flooding systems, or local application systems where the discharge exposes personnel to concentrations of carbon dioxide in excess of 7.5 percent. These are areas where it is necessary to evacuate personnel prior to the discharge of a carbon dioxide system. For improved accuracy, the time delay uses nitrogen from an LT-10 cartridge (Part No. 423423) to power the factory set delay mechanism. The time delay is installed in the discharge piping, either directly after the control (pilot) cylinder, or further along the piping.

The time delay is activated by pressure from the pilot cylinders when they are released. After discharge is completed, the time delay can be returned to service by following the procedure in the Resetting and Recharge section of the ANSUL Carbon Dioxide Design, Installation, Recharge and Maintenance Manual. The length of time is factory set and is not adjustable. A manual release is incorporated on the time delay valve to allow instant override of the time delay. The time delay is available in delay settings of 10, 30, 68, and 88 seconds.

Caution: Use only approved LT-10-R nitrogen cartridges (Part No. 423423). Use of unapproved cartridges will result in improper system operation.

Component	Material	Thread Size/Type	Approvals
Time Delay (10, 30, 68, and 88 second)	Valve: Brass Accumulator: Steel Booster: Brass	3/4 in. NPT Female	UL (EX-2968); Listed for use with FM Approved systems

Shipping Assembly Part No.	Description
437715	10 second pneumatic time delay
437716	30 second pneumatic time delay
437717	68 second pneumatic time delay
437718	88 second pneumatic time delay
423423	LT-10-R cartridge shipping assembly



LT-10-R, Part No. 423423, needs to be ordered separately.

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