

# VIZOR ELECTRONIC DRY PIPE ACCELERATOR (EDPA)

Quick Opening Device for Dry Pipe Systems

- // No False Trips
- // Hassle-free Performance
- // Includes Battery Back-up
- // New and Retrofit Applications
- // Push Button Test and Reset Function



## Features & Benefits:

- // Easier to Install, Set, and Maintain than Mechanical Accelerators
- // Compatible with TYCO Model DPV-1 Dry Pipe Valves and Legacy Models
- // Self-contained Unit with Pressure Transducer and Solenoid Located Inside of Enclosure
- // Built-in Low Pressure and High Pressure Alarm Supervision
- // Simple Test-and-Reset Function
- // Battery Back-up in the Event of a Primary Power Failure
- // Ability to be Installed in New Systems or Replace Mechanical-Type Accelerators in Existing Systems

The VIZOR Electronic Dry Pipe Accelerator (EDPA) is a quick-opening device intended to reduce the time required to operate a dry pipe valve system with one or more automatic sprinklers. Unlike other accelerators on the market today, the VIZOR EDPA is an electronic, microprocessor-based, quick-operating device.

The VIZOR EDPA features a unique, air pressure monitoring design that operates upon detection of a steady decay in air pressure of 0.1 psi per second (0.007 bar/s) or

greater, or if the pressure drops to 5.5 psi (0,38 bar). When the VIZOR EDPA detects a sustained drop in air pressure, the accelerator energizes its internal solenoid valve.

The energized solenoid valve then opens to permit system air pressure into the intermediate chamber of the dry pipe valve. The pressurized intermediate chamber neutralizes the differential pressure holding the dry pipe valve closed and permits the dry pipe valve to trip and flow water into the system piping.

## TECHNICAL DATA

**Approvals:** UL and ULC listed; FM approved

**Maximum Water Supply Pressure:** 300 psi (20,7 bar)

**System Air Pressure:** 10 to 65 psi (0,69 to 4,48 bar)

**Pressure Decay Rate For Trip:** 0.1 psi/sec. (0,007 bar/s)

**Environmental Specifications:** NEMA 2, Indoor Use,  
40 to 120°F (4 to 49°C)

**Power Requirements:** Maximum 0.75 A at 120/220 VAC

**Battery Back-Up:**

- 24-hour back-up provided by two 12-volt (1.3 AH) batteries
- 90-hour back-up provided by two 12-volt (5 AH) batteries

**VIZOR Electronic Dry Pipe Accelerator** P/N: 52-312-3-000

**VIZOR Electronic Dry Pipe Accelerator with Trim** P/N: 52-312-3-001

**Accessories**

24-Hour Batteries  
2 Required, 12 V, 1.3 AH P/N: 2653

90-Hour Batteries  
2 Required, 12 V, 5 AH P/N: 2654

Fuse, 5 A P/N: 2657

Fuse Holder P/N: 2655

90-Hour Battery Cabinet  
8 x 4 x 8 inches  
(203 x 102 x 203 mm) P/N: 52-312-3-002

**Model DPV-1 Preassembled Valve & Trim, with Butterfly Valve**

**4" (DN100)**

Grooved x Grooved P/N: 52-310-3-940

Flange x Grooved P/N: 52-310-3-440

Flange x Flange P/N: 52-310-3-040

**6" (DN150)**

Grooved x Grooved P/N: 52-310-3-960

Flange x Grooved P/N: 52-310-3-460

Flange x Flange P/N: 52-310-3-060

**Model DPV-1 Preassembled Valve & Trim, without Control Valve**

**4" (DN100)**

Flange x Grooved P/N: 52-310-4-440

Flange x Flange P/N: 52-310-4-040

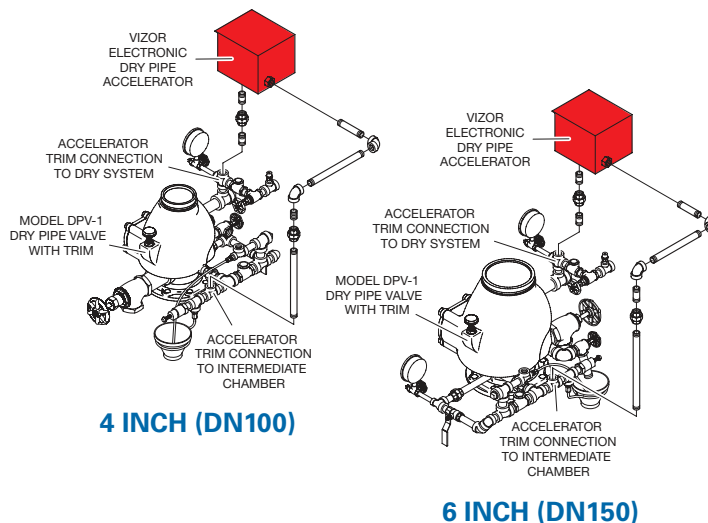
**6" (DN150)**

Flange x Grooved P/N: 52-310-4-460

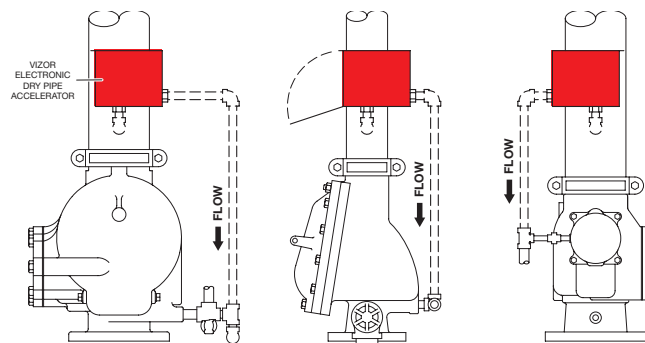
Flange x Flange P/N: 52-310-4-060

See TFP1020 for additional information.

**Model DPV-1 Dry Pipe Valve TRIM ARRANGEMENTS**



**Installation with LEGACY MODELS**



**CENTRAL**  
Model AF, 3 inch  
Model AF/AG, 4 & 6 inch  
STAR Model A-1, 4 & 6 inch

**STAR**  
Model A, 4 & 6 inch

**GEM**  
Model F302/F3021,  
4 & 6 inch

Always refer to the Technical Data Sheet TFP1105 for complete description of all Listing criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.