

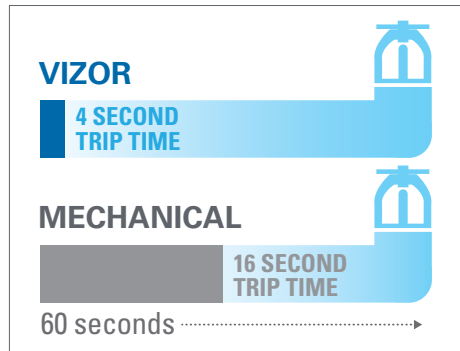
# VIZOR Electronic Dry Pipe Accelerator



Cost-Effective Installation  
Less Business Impact

# A Smarter Solution

## FASTER TRIP TIME DELIVERS WATER SOONER



Quick, consistent valve trip provides a much wider margin to meet the 60-second code requirement for water discharge at the most distant sprinkler head.

## LOWER LABOR COSTS



Install time of approximately 30 minutes. Fewer return visits due to reduced false trips.

## REQUIRES FEWER VALVES AND RISERS



Consistent trip time, plus the precise calculations of SprinkFDT, means minimum valves and risers. Use SprinkCAD and SprinkFDT to facilitate your installation design or take advantage of Tyco Design Services to optimize your next project.

## REDUCES FALSE TRIPS



Unique air pressure monitoring takes readings 2x per second to automatically adjust to both small and slow changes in system air pressure, but trips when there is a steady drop in system air pressure upon sprinkler operation.

## SIMPLIFIES INSPECTIONS



VIZOR accelerators can be reset faster and more consistently than other quick opening devices to facilitate NFPA 25 required inspections.

## SIMPLE PUSH BUTTON TEST AND RESET



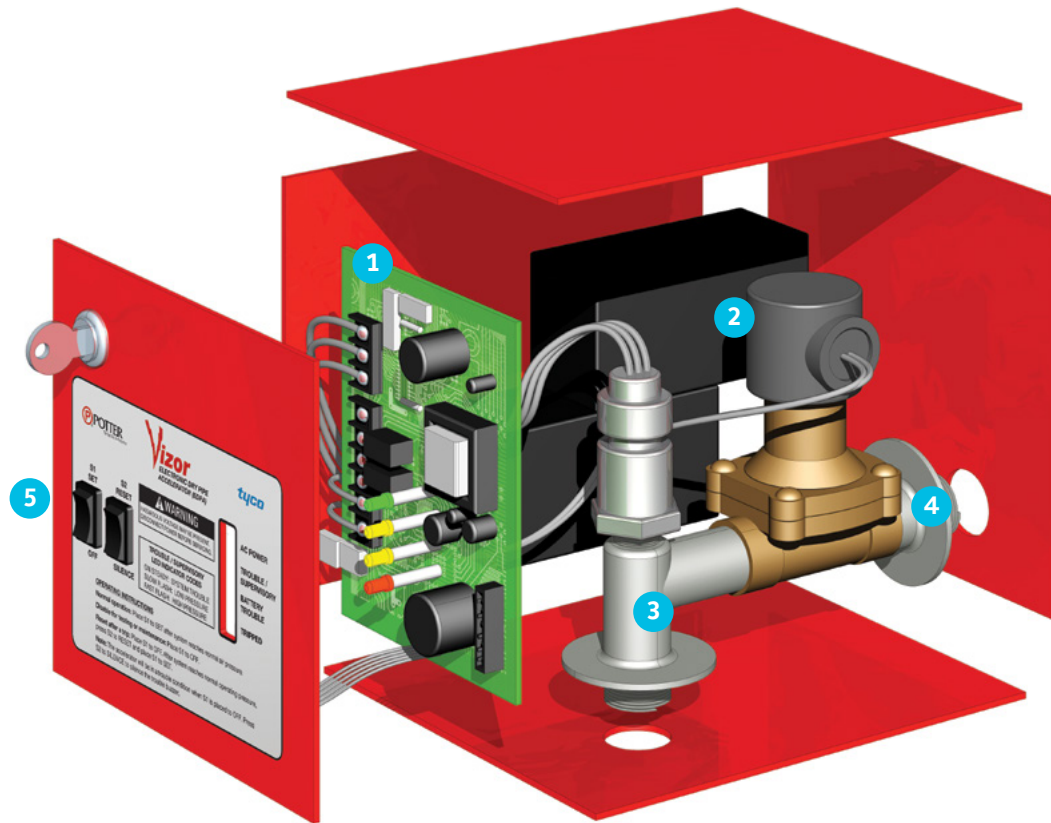
Electronic design and simple solenoid valves allow push button testing and reset, eliminating the need for the complicated breakdown, overhaul and reassembly required by conventional mechanical accelerators.

# The Next Generation In Dry Pipe Accelerators

The TYCO® VIZOR Electronic Accelerator brings digital technology to dry pipe sprinkler systems, providing significant performance benefits, cost-savings, ease of installation and long-term maintenance advantages.

## MECHANICAL ACCELERATORS

- Lack sensing technology to prevent false trips, resulting in repeated interruption to occupants and increased incentive for taking the accelerator off line
- Require complicated breakdown, overhaul and reassembly each time they are tripped or tested
- Diaphragms, restrictions, strainers and anti-flood devices are prone to grit and hard-water clogging



## INDUSTRY-LEADING PERFORMANCE

The TYCO® VIZOR Electronic Dry Pipe Accelerator is a quick-opening device intended to significantly reduce the time required to operate a dry pipe valve system with one or more automatic sprinklers.

- 1 The VIZOR Accelerator's unique air-pressure monitoring technology triggers on detection of a sustained drop in air pressure
- 2 The accelerator immediately energizes its internal solenoid valve
- 3 The energized solenoid valve opens to permit system air pressure into the intermediate chamber of the dry pipe valve
- 4 The pressurized intermediate chamber trips the dry pipe valve to quickly flow water into the sprinkler piping
- 5 Press once to test, press three times to reset

## TYCO® VIZOR ELECTRONIC ACCELERATOR

- Two pressure readings every second reduce false trips by detecting the difference between slow pressure changes and sustained drops
- Easy push button testing and resetting keeps your work schedule on track
- Simple design reduces complications
  - No need for overhauling that typically makes resetting tedious and difficult
  - Ideal for use in corrosive environments, where mechanical accelerators are prone to short life cycles

## ADDITIONAL FEATURES

VIZOR Accelerators can be installed in new systems or replace mechanical-type accelerators in existing systems.

- Easier to install, set, and maintain than mechanical accelerators
- Self-contained unit with pressure transducer and solenoid located inside of enclosure
- Built-in low pressure and high pressure alarm supervision
- Battery back-up in the event of a primary power failure
- Simple push button operation

Always refer to the Technical Data Sheet TFP1105 and our general T&C of sale for a complete description of all criteria, design parameters, installation instructions, care and maintenance guidelines, and other terms such as our limited warranty.

Visit [www.tyco-fire.com](http://www.tyco-fire.com) or contact your local Johnson Controls sales representative.



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### About Johnson Controls' Building Technologies and Solutions

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