

Manufacturer Valve Model	Valve Size ANSI Inches (DN)	UL Listed	FM Approved
TYCO Model DPV-1	4 and 6 (DN100/150)	X	X
Central Models AG and AF	3, 4, and 6 (DN80/100/150)	X	See note.
Gem Models F302 and F3021	4 and 6 (DN100/150)	X	See note.
Star Models A and A1	4 and 6 (DN100/150)	X	See note.

Note: For retrofit applications, the FM Approved Model DPV-1 application of EDPA Electronic Accelerator Systems can be used for the specified discontinued valves.

TABLE A
LABORATORY LISTINGS AND APPROVALS FOR
DRY PIPE VALVE COMPATIBILITY

Switch Setting	Low Air Threshold psi (bar)	Nominal Pressure psi (bar)	High Air Threshold psi (bar)
0	7 (0,48)	10 (0,69)	15 (1,04)
1	7 (0,48)	15 (1,04)	20 (1,38)
2	15 (1,04)	20 (1,38)	25 (1,72)
3	15 (1,04)	25 (1,72)	35 (2,41)
4	20 (1,38)	30 (2,07)	40 (2,76)
5	25 (1,72)	35 (2,41)	45 (3,10)
6	30 (2,07)	40 (2,76)	50 (3,45)
7	35 (2,41)	45 (3,10)	55 (3,79)
8	45 (3,10)	55 (3,79)	65 (4,48)
9	55 (3,79)	65 (4,48)	75 (5,17)

TABLE B
VIZOR ELECTRONIC DRY PIPE ACCELERATOR
HIGH/LOW PRESSURE SETTINGS

Maximum Water Pressure
300 psi (20,7 bar)

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

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

High/Low Pressure Settings
Refer to Table B

VIZOR Environmental Specifications

- VIZOR Accelerator
- NEMA 2, Indoor use
40°F to 120°F (4°C to 49°C)
- Battery Cabinet
NEMA 1, Indoor use
32°F to 120°F (0°C to 49°C)

Power Requirements
Maximum 0.75 A @ 120/220 AC

Batteries (Ordered Separately)

- Standard
24-hour battery back-up provided by two 12-volt (1.3 AH) Batteries
- Optional
90-hour battery back-up provided by two 12-volt (5 AH) Batteries

Battery Current Draw
Standby: 43 ma; Alarm: 440 ma

Dry Contact Rating
Trouble: 5 A @ 30 VDC
High/Low: 5 A @ 30 VDC

Installation Dimensions
Refer to Figure 6

NOTICE

When the VIZOR Accelerator is installed in accordance with these instructions, the equipment's design provides reasonable protection against limited radio frequency sources. Intentionally subjecting the equipment to radio

frequency sources could result in unintended operation of the dry pipe system.

VIZOR Accelerator Indicators and Controls

Refer to Figures 1 and 2.

- **AC Power (Green LED):** On steady when AC power is present
- **Trouble/Supervisory (Amber LED):** On steady for Trouble, 1 flash per second (slow) for low pressure, 4 flashes per second (fast) for high pressure
- **Battery Trouble (Amber LED):** On steady for low battery
- **Tripped (Red LED):** Flashes for 30 seconds to indicate the solenoid is open and the VIZOR Accelerator is tripped; lights steady after 30 seconds indicating the solenoid is closed

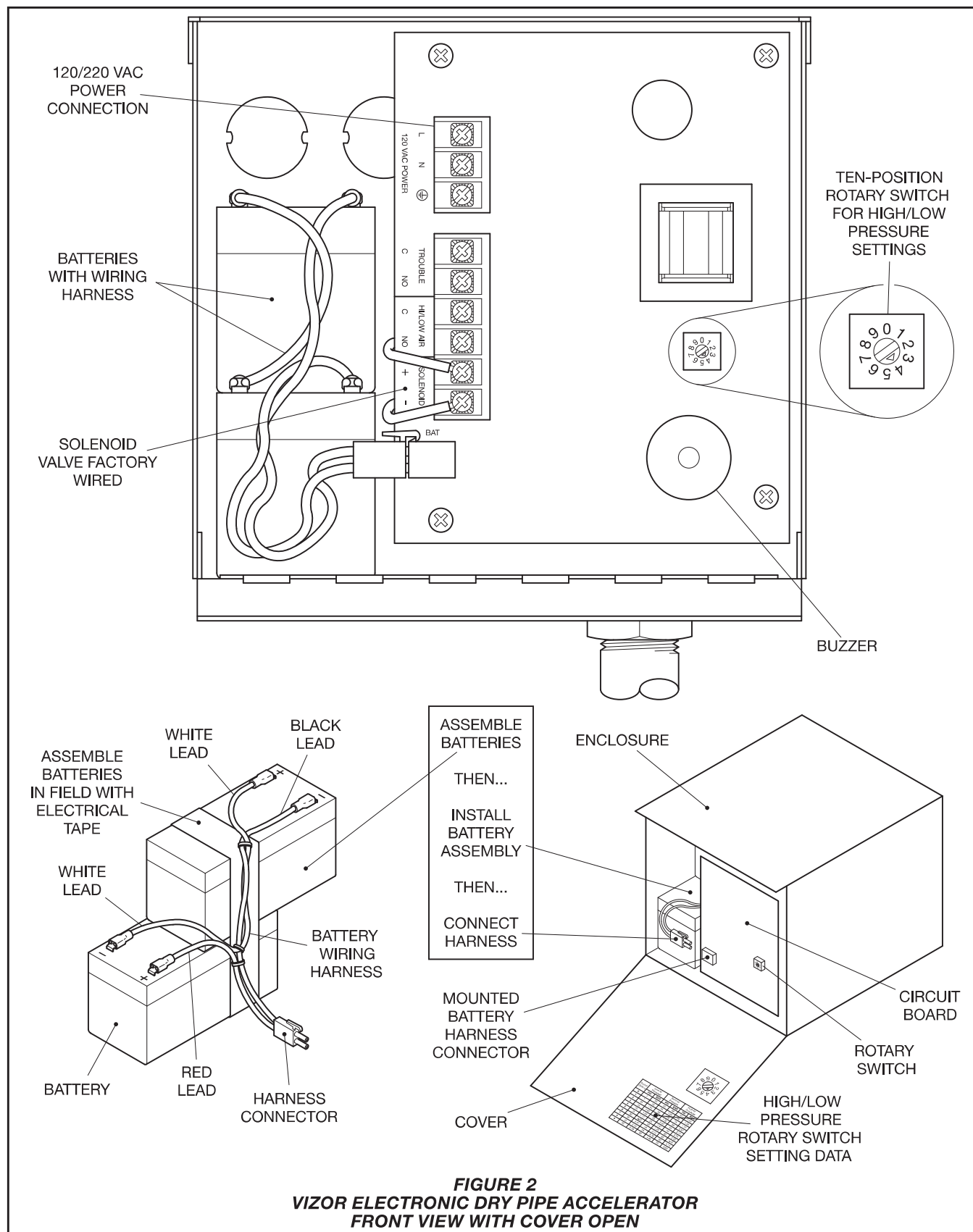
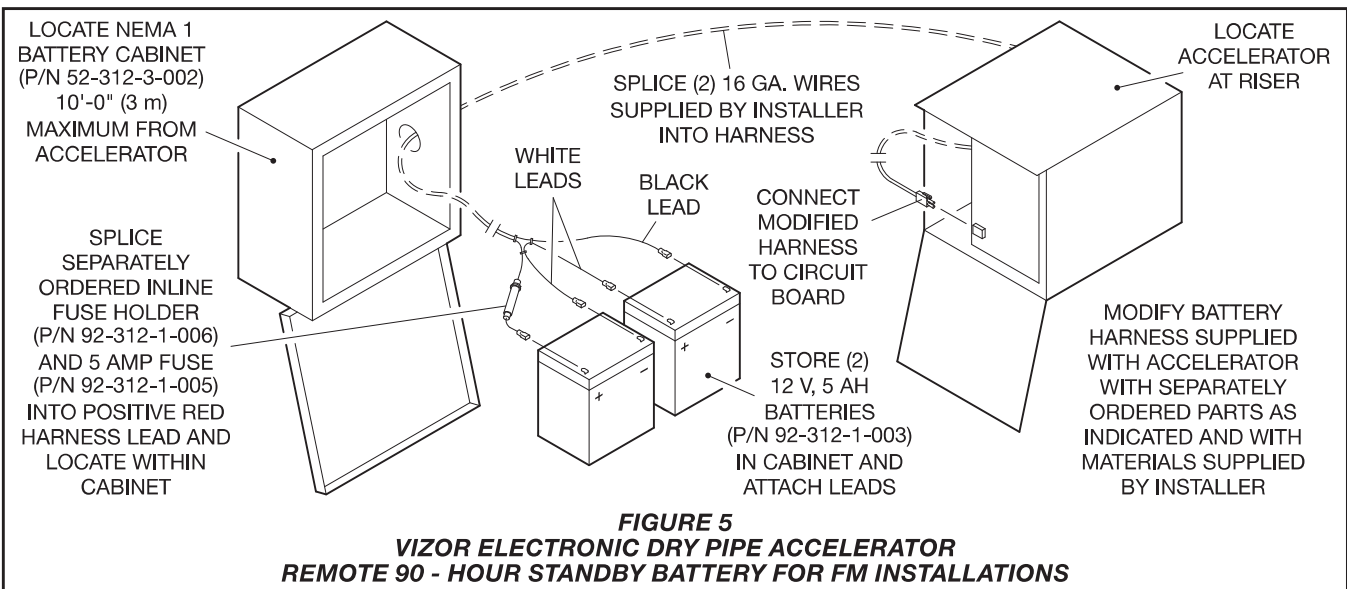
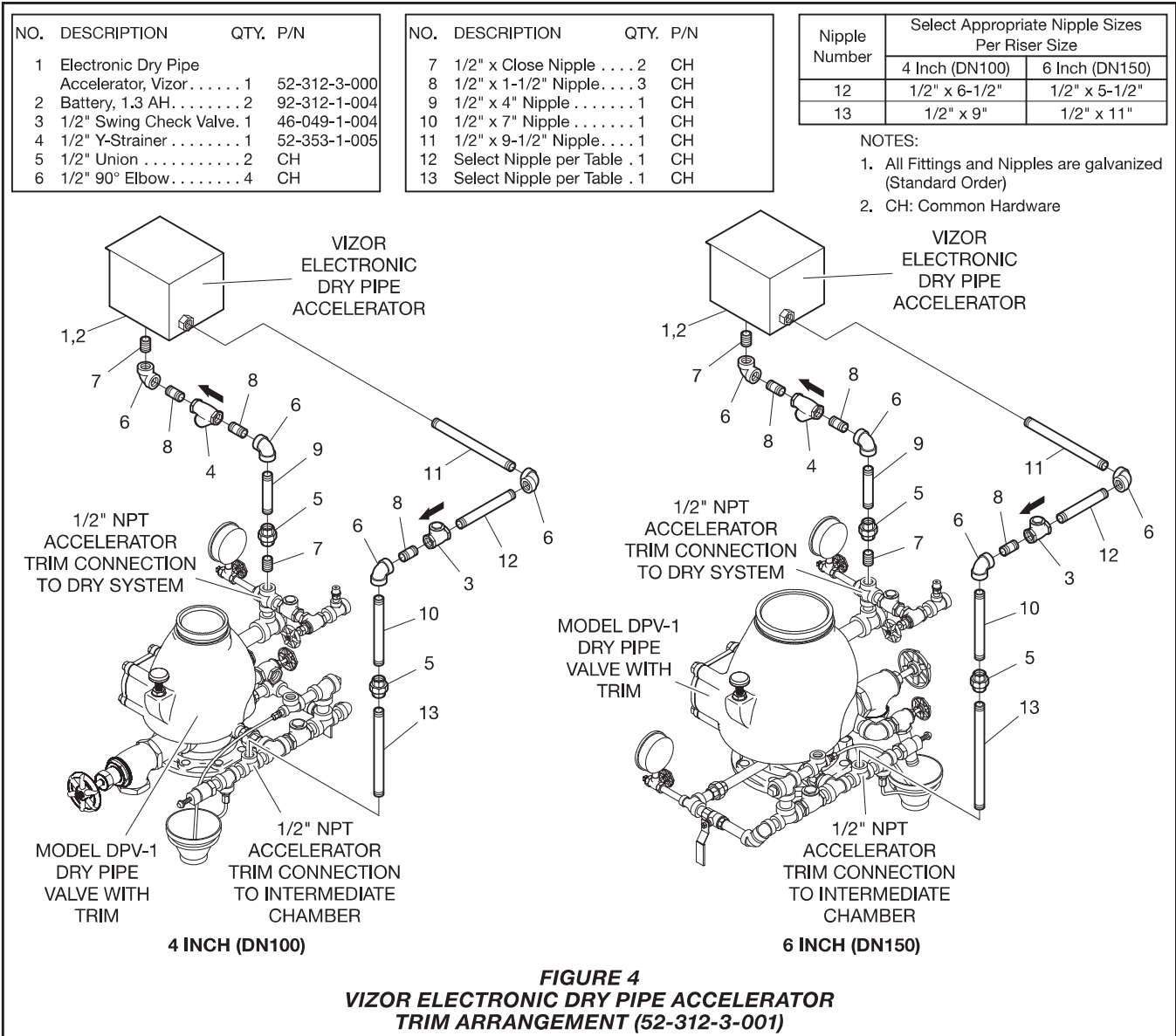


FIGURE 2
VIZOR ELECTRONIC DRY PIPE ACCELERATOR
FRONT VIEW WITH COVER OPEN



Limited Warranty

For warranty terms and conditions, visit
www.tyco-fire.com.

Ordering Procedure

Contact your local distributor for availability. When placing an order, indicate the full product name.

VIZOR Electronic Dry Pipe Accelerator (with Trim)

Specify: VIZOR Electronic Dry Pipe Accelerator for use with the 4 or 6 inch TYCO Model DPV-1 Dry Pipe Valve trim, P/N 52-312-3-001

Required batteries are ordered separately; see below.

VIZOR Electronic Dry Pipe Accelerator (without Trim)

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

Required batteries are ordered separately; see below.

Separately Ordered Parts

For the 24-Hour Battery, specify a quantity of 2 and P/N:

24-Hour Battery, 12 V, 1.3 AH 2653

For the 90-Hour Battery, specify a quantity of 2, battery size, fuse, fuse holder, and cabinet with P/Ns:

90-Hour Battery 12 V, 5 AH 2654

Fuse, 5 A 2657

Fuse Holder 2655

90-Hour Battery Cabinet, 8 in. x 4 in. x 8 in.
(203 mm x 102 mm x 203 mm). 52-312-3-002