

# POSITIVE DRAIN ACTUATOR

## MODEL - A



### TECHNICAL DATA

MODEL	A
MAXIMUM WORKING PRESSURE	12.3 Kg./Sq.Cm.(175PSI)
APPROVALS	Part of HD's UL Listed Deluge Valve Model-A Trim

### DESCRIPTION

Positive Drain Actuator ( PDA ) Model A is a device used in dry pilot detection trim for Deluge Valve Model-A. The compressed air connecting the detection line, holds the diaphragm seat and thereby holds the water pressure coming through the diaphragm chamber of Deluge Valve. On release of detection line, when the air pressure drops, the spring lifts the diaphragm seat of the actuator and drains the water of diaphragm chamber of the Deluge Valve. Once the water pressure inside the Deluge Valve diaphragm chamber reach 0.7 Kg./Sq.cm. the direct drain spring lifts the seat and the positive drain continues till the time the actuator is manually reset.

Positive Drain Actuator must be tested for operation quarterly. To test, release air pressure in detection line, the water flow from open drain (3/4") of actuator must be noticed and Deluge Valve must trip. Reset the Deluge Valve.

For resetting refer to the resetting procedure of the Deluge Valve Model-A. (catalogue no. HD101).

Notify all authorities having jurisdiction while testing so as to avoid false alarm.



LINE WATER PRESSURE Kg./Sq.cm. MAXIMUM	AIR PRESSURE IN DETECTION LINE Kg./Sq.cm.	
	MINIMUM	MAXIMUM
2	1.2	3.0
4	1.5	3.0
6	2.0	3.5
8	2.5	3.5
10	3.0	3.5
12	3.5	4.0

### LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer's warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained. HD FIRE shall not be responsible for system design errors or improper installation or inaccurate or incomplete information supplied by buyer or buyer's representatives. HD FIRE will repair or replace defective material free of charge, which is returned to our factory, transportation charge prepaid, provided after our inspection the material is found to have been defective at the time of initial shipment from our works. HD FIRE shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product including damages for injury to person, damages to property and penalties resulting from any products and components manufactured by HD FIRE. HD FIRE shall not be liable for any damages or labour charges or expense in making repair or adjustment to the product. HD FIRE shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data & services. In no event shall HD Fire's product liability exceed an amount equal to the sale price. The foregoing warranty is exclusive and in lieu of all other warranties and representation whether expressed, implied, oral or written, including but not limited to, any implied warranties or merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

### NOTICE :

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