

## HRD MECHANICAL LOCKOUT

### DESCRIPTION

The Mechanical Lockout provides a means for the user to mechanically prevent the discharge of the HRD suppression container into the process vessel.

Fike's HRD Mechanical Lockout consists of a 2 position slide assembled between 2 flanges. The assembly is equipped with a mechanical locking pin and proximity switches to sense the slide position.

The lockout device also provides a signal indicating following conditions:

- Lockout slide open to allow discharge
- Lockout slide partially closed (Suppressant discharge partially blocked, process vessel not protected)
- Lockout slide closed to block discharge (Suppressant discharge blocked, process vessel not protected)

A spring operated locking pin secures the slide plate in every discrete position (open/closed). The locking pin can be secured with a pad lock (pad lock optional).



**APPROVALS:**

- ATEX



## FEATURES AND BENEFITS





- Increased safety for personnel in compliance with
  - OSHA requirement 29 CFR 1910.147, The control of Hazardous Energy (Lockout/tagout)
  - NFPA 69-2007, 10.3 Personnel safety
  - EN 14373, 8 Instructions for installation, commissioning and maintenance
- Compatible with existing installations
- Easy installation and maintenance
- No impact on suppression efficiency
- Fail safe interlocking with controller and process
- Manually operated

## SPECIFICATIONS

Type	HRD Mechanical Lockout	
Available Sizes	DN100 (4")	DN150 (6")
Part number detection option 1: Inductive Proximity Switches	P/N 45065010-S	P/N 45060010-S
Part number detection option 2: Mechanical Position Switch	P/N 45062310-S	P/N 45062010-S
Dimensions (l x w)	478 x 265 mm	626 x 355 mm
Weight	± 20 kg	± 40 kg
Material Specification	Carbon steel nickel plated	
Monitoring	Electrical contacts to indicate open, closed or intermediate position	
Accessories	Pad lock. Fike intrinsic position indicator module (P/N 90700122) <sup>1</sup> . Stud bolts.	

(1) Required for detection option 1.

## HAZARDOUS AREA APPROVALS

Detection option 1 : Inductive Proximity Switches	
Fike intrinsic position indicator module (P/N 90700122)	 II (1) G D [Ex ia] IIC or [Ex iaD]
Inductive proximity switches (P/N 29944446)	 II 2G EEx ia IIC T6 Ta : -20...70°C
	 II 1D Ex iaD 20 T 90°C Ta : -20...70°C
Detection option 2 : Mechanical Position Switch	
Mechanical position switch (P/N 29944800)	 II 3D Ex tD A22 IP65 T80°C