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
  - 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

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

HAZARDOUS AREA APPROVALS

Detection option 1: Inductive Proximity Switches

<table>
<thead>
<tr>
<th>Fike intrinsic position indicator module (P/N 90700122)</th>
<th>II (1) G D [Ex ia] IIC or [Ex iaD]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductive proximity switches (P/N 29944446)</td>
<td>II 2G Ex ia IIC T6 Ta : -20...70°C</td>
</tr>
<tr>
<td></td>
<td>II 1D Ex iaD 20 T 90°C Ta : -20...70°C</td>
</tr>
</tbody>
</table>

Detection option 2: Mechanical Position Switch

| Mechanical position switch (P/N 29944800) | II 3D Ex tD A22 IP65 T80°C |

¹ Required for detection option 1.

This document is only intended to be a guideline and is not applicable to all situations. Information subject to full disclaimer at http://www.fike.com/disclaimer