

Flame Proof IIC Weight Limit Switch



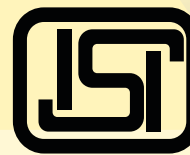
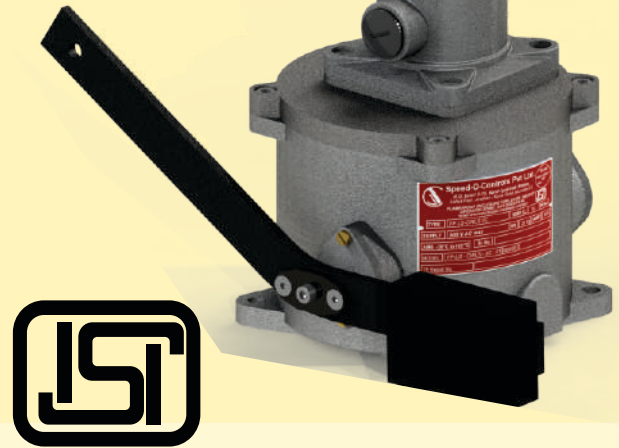
Introduction

Flame-proof **Counter Weight Operated Limit Switch** is designed for operation in a hazardous environment, where explosive gases/vapors are present. The robustly designed Flame-proof enclosure is modified to meet the requirement as specified on IS/IEC-600079-0-2017 & IS/IEC 600079-1-2014.

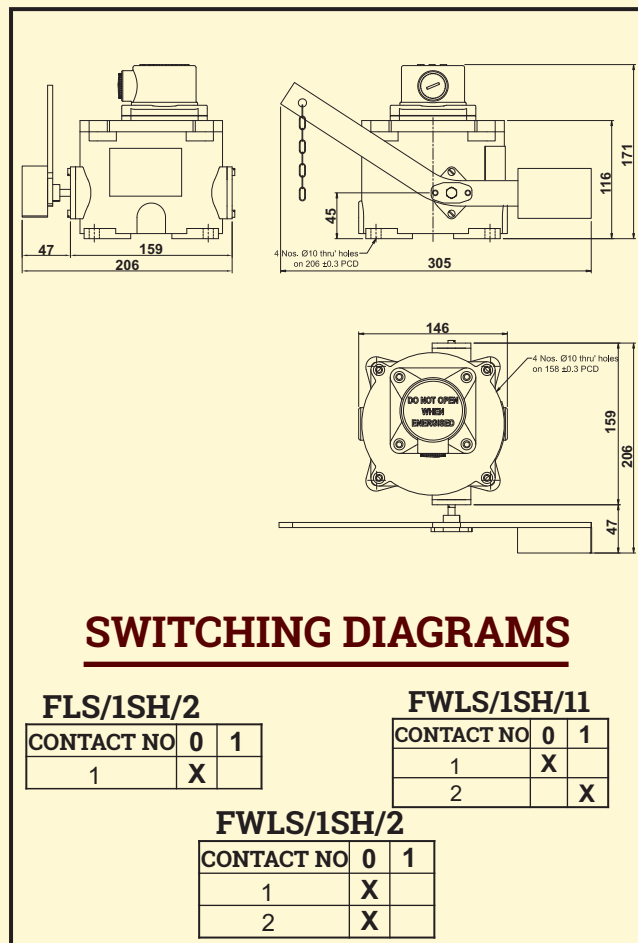
The enclosure is made of Aluminum Alloy LM 4. Each enclosure is subjected to hydrostatic pressure test .The enclosure is certified by Central Institute of Mining & Fuel Research for use in Gas Group IIC.

Operation

A two (NC) Contact elements are operated by respective rotating cams, suitably adjusted on a square cam-shaft. When a cam on the moving load hits the weight of the limit switch and rotates the square cam shaft, which in turn operates the change over contacts.



G.A. Drawing



Technical Data

Explosive Atmosphere Part I Equipment Protection by Flameproof Enclosures "d"	
Product	Weight Operated Limit Switch
Zone	Zone 1, Gas Groups IIC
Model	FP-WLS2-IIC
Voltage	500VAC
Current	10 A AC max
No of Contacts	2 NC
Ambient Temperature	T6
Enclosure	Aluminium Alloy LM 4
Ingress Protection	IP-55(IEC 60529(1989)
Cable Entry	M 20 Single
IS	IS/IEC 600079-0-2017 IS/IEC 600079-1-2014 IS/IEC 600529 : 2001 (Reaffirmed 2014)
BIS License No.	CM/L-72000208195 20-07-21
Certificate No.	IN/CIMFR/TR21/R/419 Date: 06-05-2021 Central Institute of Mining & Fuel Research
Petroleum & Explosive Safety Organization (PESO)	A/P/HQ/GJ/104/5699(P455000) Date: 26/09/2019