

# Flame Proof IIA / IIB Weight Limit Switch

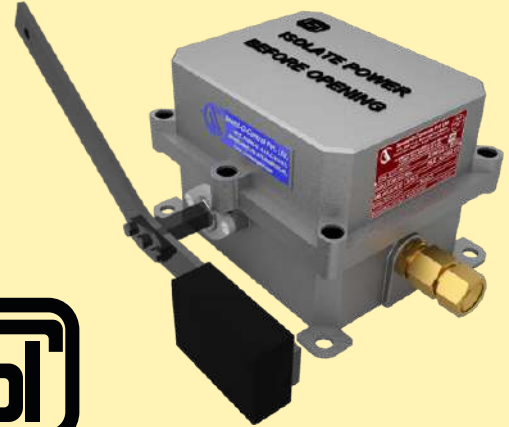
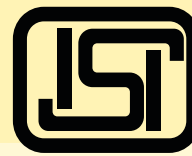


## Introduction

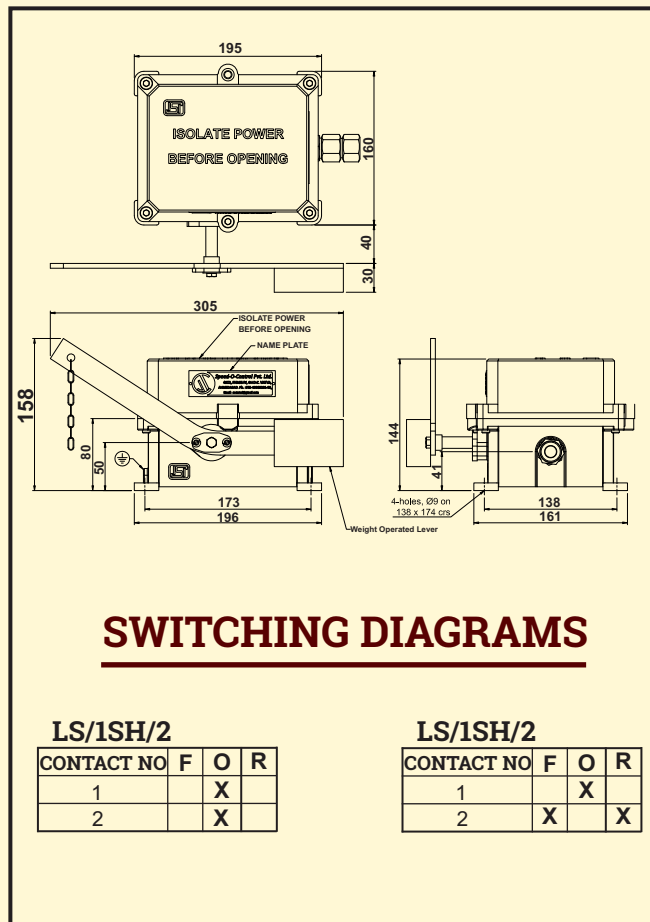
Flame-proof Counter Weight Operated Limit Switch is used to trip motor supply when the moving loads reach the extreme end positions of working zone. These are suitable for use in explosive gases, as specified Gas groups IIA and IIB, as per IS/IEC 60079-0-2017 & IS/IEC 60079-1-2014.

## 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 IIA & IIB
Model	FP-WLS2/2SH/2
Voltage	220V DC/660V AC
Ambient Temperature	T6
Enclosure	Aluminium Alloy LM 4
Ingress Protection	IP-54
Cable Entry	M 20 Single
IS	IS/IEC 600079-0-2017 IS/IEC 600079-1-2014
BIS License No.	CM/L-72000208195 20-07-21
Certificate No.	KLPL/Ex/16-065X Date: 12-01-2021 Karandikar Laboratories Pvt.Ltd
Petroleum & Explosive Safety Organization (PESO)	A/P/HQ/GJ/104/5699(P455000) Date: 26/09/2019