

## Introduction

Weight Operated Limit Switches are used on control / power circuit of reversing drives so as to limit their rotation / movement within a predetermined position.

## Operation:

When the snatch block of the crane reaches its top position the snatch block pushes a plate which is hanging from one end of the lever of the limit switch. Due to the weight placed on the other end of the lever this lever is pushed up. When the lever is pushed up the shaft to which this lever is connected rotates thereby rotating the cams which eventually open the contacts



## Technical Data

Body material	Powder coated, Aluminum Die cast
Degree of protection	IP-55 IS/IEC-60079-0-2004
Mounting position	Floor mounting
Cable Entries	Twin, 3/4" BS conduit
No. of contact	2
Contact	Silver-cadmium
Wire connection	Screwed Terminals
Thermal Test Current	40 A
Rated Voltage	500 VAC

## Switching Diagram

**CWLS/1SH/1**  
**101400020001**

CONTACT NO.	0	1
1	X	

**CWLS/1SH/2**  
**101400020002**

CONTACT NO.	0	1
1	X	
2	X	

**CWLS/1SH/11**  
**101400020003**

CONTACT NO.	0	1
1	X	
2		X

Mounting position	Floor mounting
Cable Entries	Twin, 3/4" BS conduit
No. of contact	2
Contact	Silver-cadmium
Wire connection	Screwed Terminals
Thermal Test Current	40 A
Rated Voltage	500 VAC

**CWLS/1SH/2**  
**101400020002**

CONTACT NO.	0	1
1	X	
2	X	

**CWLS/1SH/11**  
**101400020003**

CONTACT NO.	0	1
1	X	
2		X

Mounting position	Floor mounting
Cable Entries	Twin, 3/4" BS conduit
No. of contact	2
Contact	Silver-cadmium
Wire connection	Screwed Terminals
Thermal Test Current	40 A
Rated Voltage	500 VAC

**CWLS/1SH/2**  
**101400020002**

CONTACT NO.	0	1
1	X	
2	X	

**CWLS/1SH/11**  
**101400020003**

CONTACT NO.	0	1
1	X	
2		X