



**SPEED-O-CONTROLS
PVT. LTD.**



CRANE CONTROL GEAR

COUNTER WEIGHT LIMIT SWITCH



DISCOVER OUR RANGE OF LIMIT SWITCHES

INDEX

**WEIGHT LIMIT
SWITCH 10A TP**

MODEL : CWLS-10A

[\(CLICK HERE\)](#)



**WEIGHT LIMIT
SWITCH 40A TP**

MODEL : CWLS-40A

[\(CLICK HERE\)](#)



**LIMIT SWITCHES
SPARE
COMPONENTS 10A**

[\(CLICK HERE\)](#)



**LIMIT SWITCHES
SPARE
COMPONENTS 40A**

[\(CLICK HERE\)](#)



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. complying to IEC/En 60947-5-1, IEC/EN 60529, IEC 60068-2-78, IEC 60068-2-30

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	Thermo-Plastic
Protection Degree	IP-55 Confirming to (IS/IEC 60529) 2001
Mounting Position	Floor
Cable Entries	Twin, 3/4" BS Conduit
No. of Contacts	MAX 2
Contact Material	Silver Cadmium
Wire Connection	Screw Terminal
Rated Voltage	500 V.A.C. Max
Thermal Test Current	10 A

*** Also available in Alum Metal Body**

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**COUNTER WEIGHT WITH WIRE ROPE NOT INCLUDED
SHOWN ONLY FOR ILLUSTRATION**

Switching Diagram

CWLS/1SH/1 (1NC)

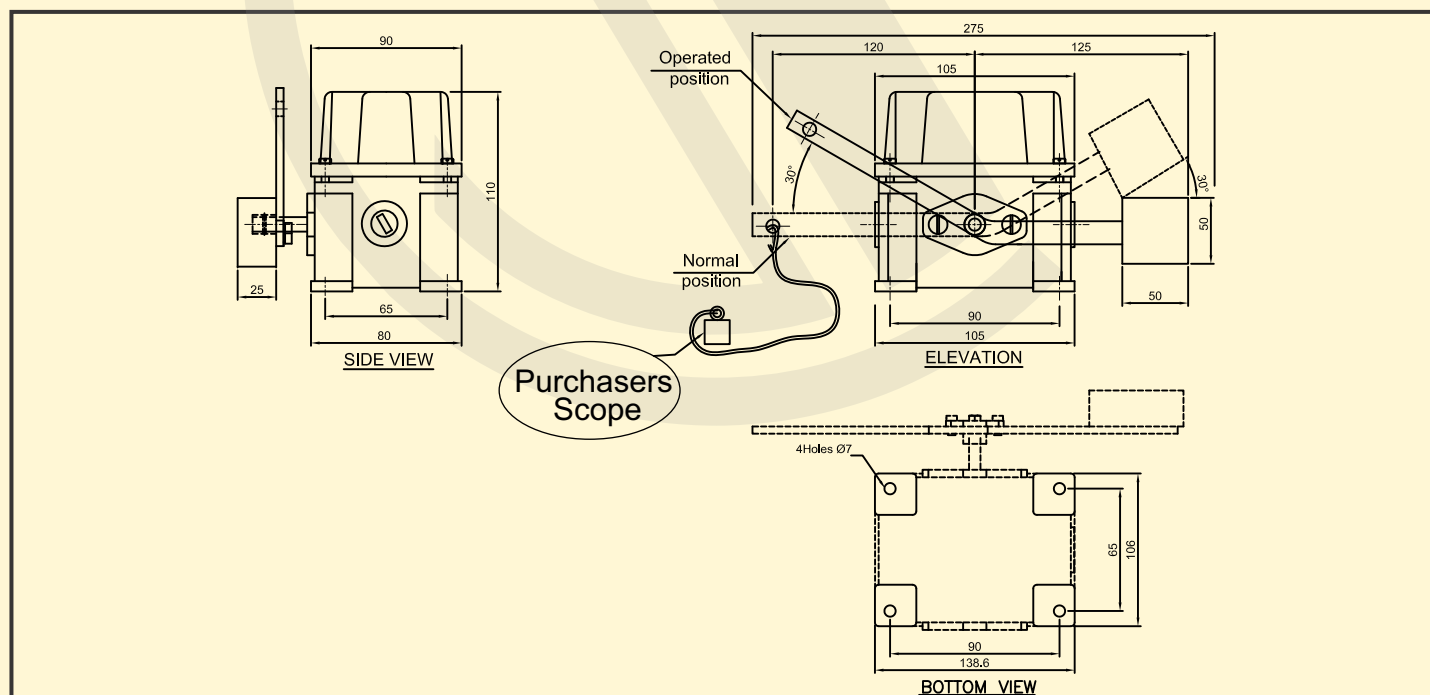
CONTACT NO.	0	1
1	X	

CWLS/1SH/2 (2NC)

CONTACT NO.	0	1
1	X	
2	X	

CWLS/1SH/11(1NO + 1NC)

CONTACT NO.	0	1
1	X	
2		X



[CLICK HERE FOR INDEX](#)

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. complying to IEC/En 60947-5-1, IEC/EN 60529, IEC 60068-2-78, IEC 60068-2-30

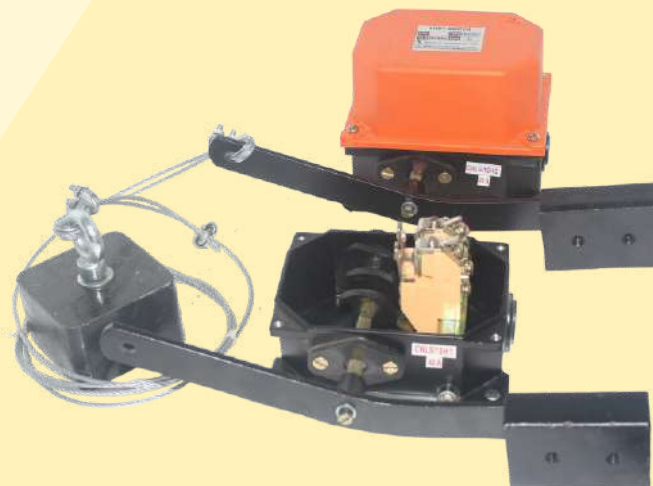
Operation

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	Thermo-Plastic
Protection Degree	IP-55 Confirming to (IS/IEC 60529) 2001
Mounting Position	Floor
Cable Entries	Twin, 3/4" BS Conduit
No. of Contacts	MAX 2
Contact Material	Silver Cadmium
Wire Connection	Screw Terminal
Rated Voltage	500 V.A.C. Max
Thermal Test Current	40 A

*** Also available in Alum Metal Body**



**COUNTER WEIGHT WITH WIRE ROPE NOT INCLUDED
SHOWN ONLY FOR ILLUSTRATION**

Switching Diagram

CWLS/1SH/1 (1NC)

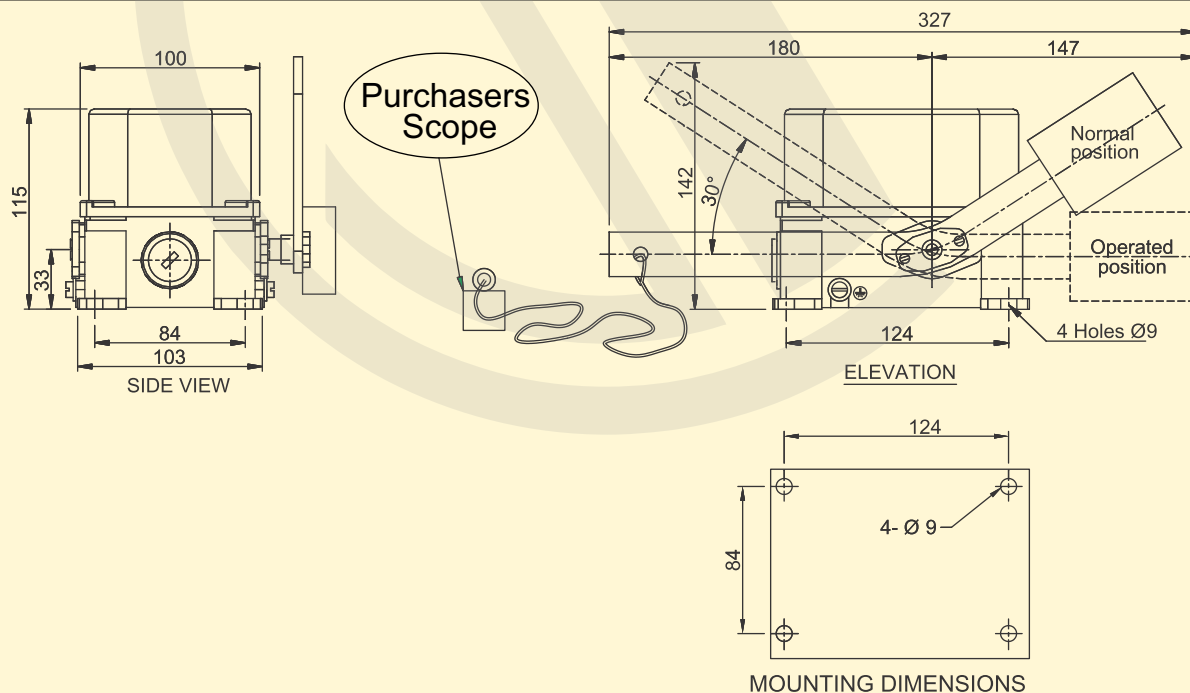
CONTACT NO.	0	1
1	X	

CWLS/1SH/2 (2NC)

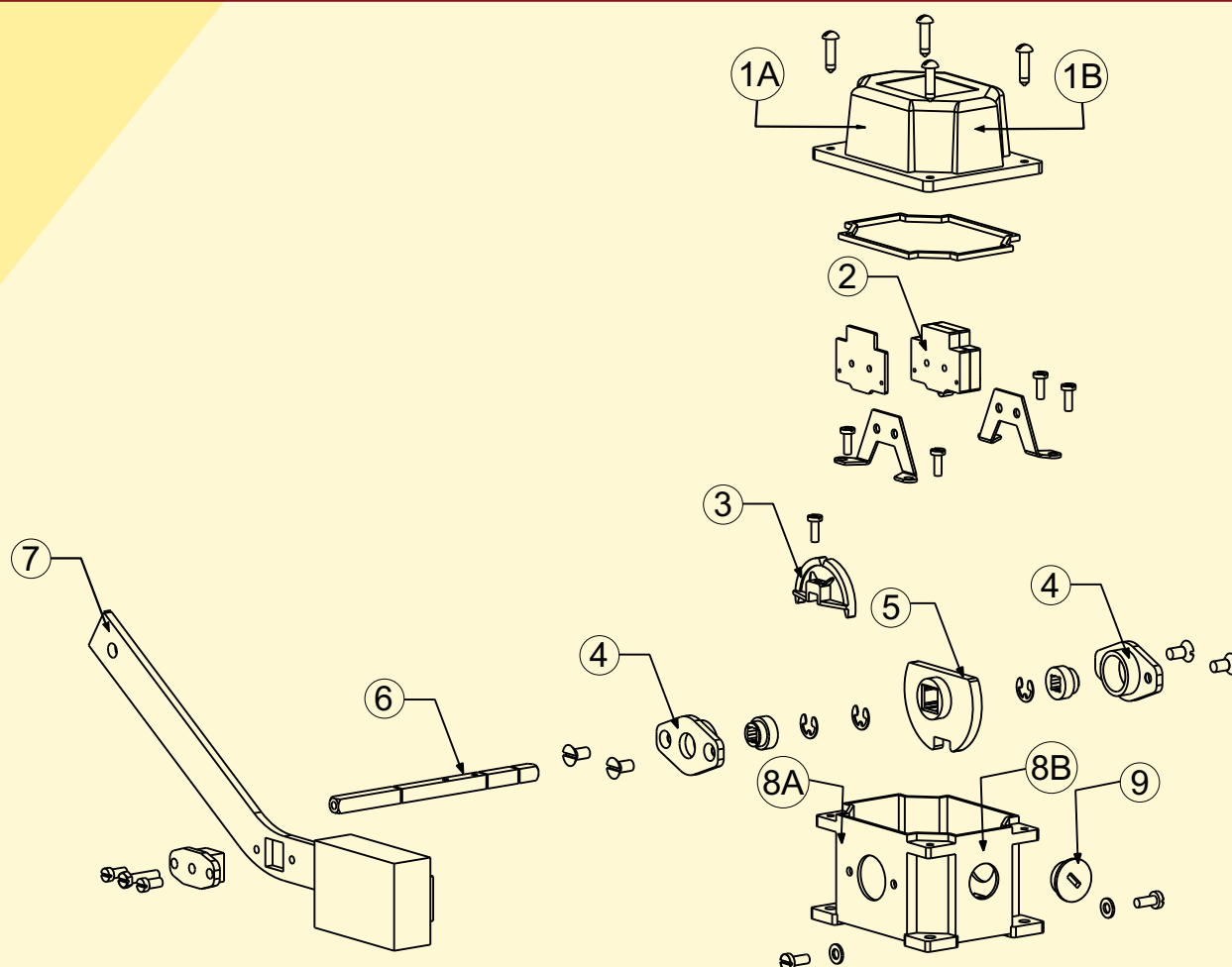
CONTACT NO.	0	1
1	X	
2	X	

CWLS/1SH/11 (1NO + 1NC)

CONTACT NO.	0	1
1	X	
2		X



BLOW UP FOR COUNTER WEIGHT LIMIT SWITCHES(10AMPS)

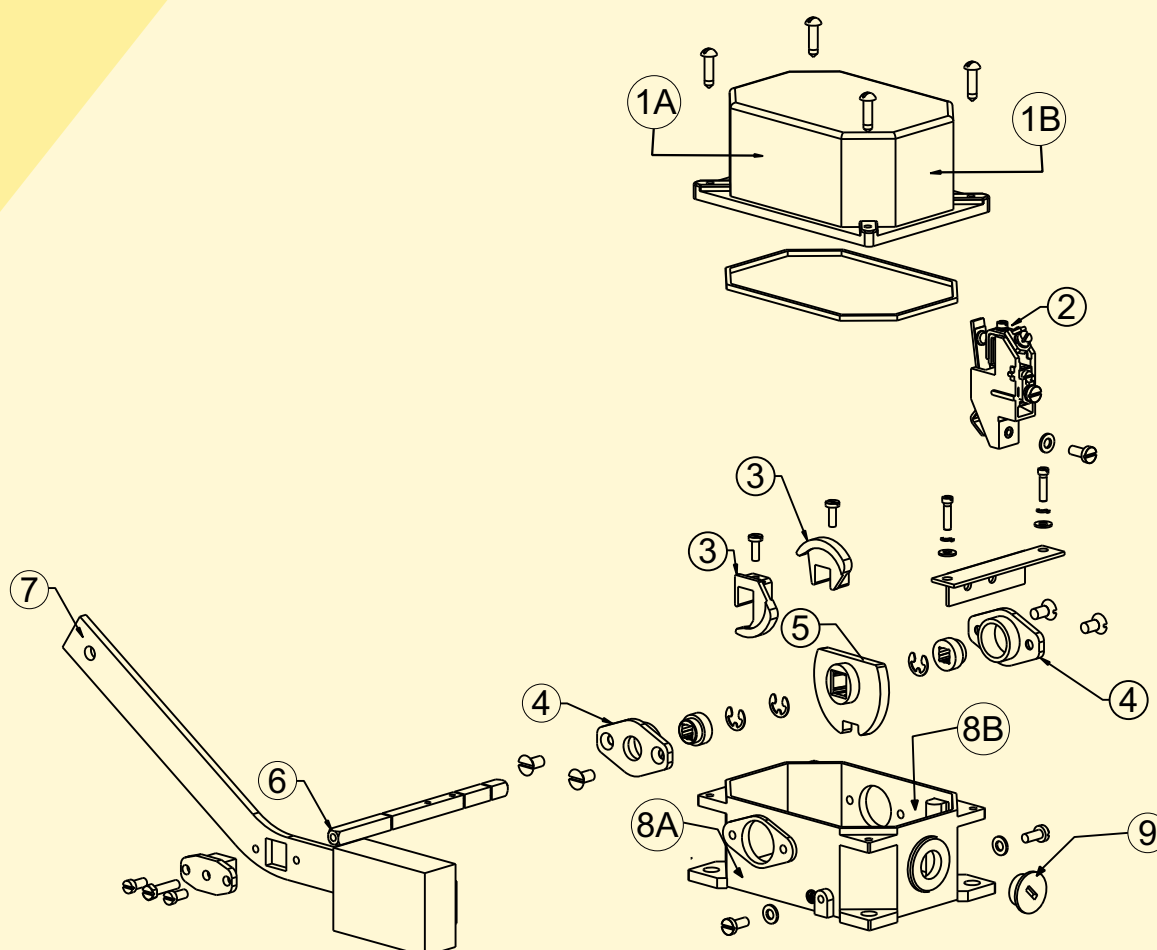


SPARES FOR COUNTER WEIGHT LIMIT SWITCHES(10AMPS)

1A TOP COVER TP (10CWTCTP)	1B TOP COVER AL (10CWTAL)	2 CONTACT ELEMENT ASSEMBLY (10CWCA)	3 CAMS (10CWCN)	4 START/END BUSH (10CWSB/10CWEB)
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5 STOPPER (10CWST)	6 CAM SHAFT (10CWCS)	7 COUNTER WEIGHT WITH WIRE ROPE (10CWCWR)	8A BOTTOM COVER TP (10CWBCTP)	8B BOTTOM COVER AL (10CWBAL)	9 CABLE GLAND BUTTON (10CWCGB)
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BLOW UP FOR COUNTER WEIGHT LIMIT SWITCHES(40AMPS)



SPARES FOR COUNTER WEIGHT LIMIT SWITCHES(40AMPS)

1A  TOP COVER TP (40CWTCTP)	1B  TOP COVER AL (40CWTCAL)	2  CONTACT ELEMENT ASSEMBLY (40CWCA)	3  CAMS (40CWCN)	4  START/END BUSH (40CWSB/40CWEB)	
5  STOPPER (40CWST)	6  CAM SHAFT (40CWCS)	7  COUNTER WEIGHT WITH WIRE ROPE (40CWCWR)	8A  BOTTOM COVER TP (40CWBCTP)	8B  BOTTOM COVER AL (40CWBCAL)	9  CABLE GLAND BUTTON (40CWCGB)

SPEED-O-CONTROLS PVT. LTD.

CRANE CONTROL SOLUTIONS

CRANE CONTROL GEAR



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