Rotary Geared Limit Switches GRLS

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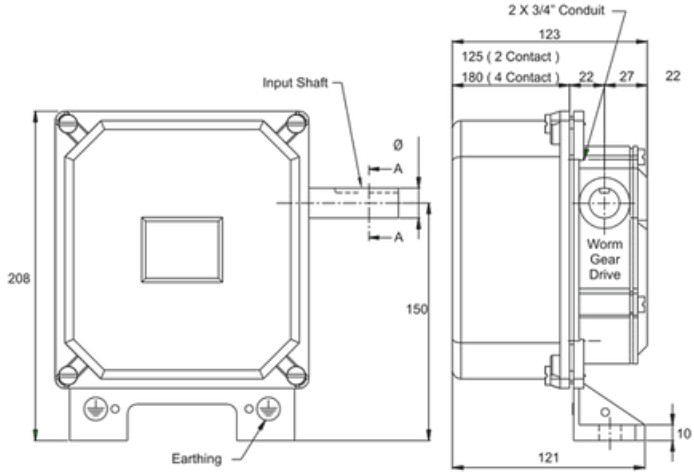
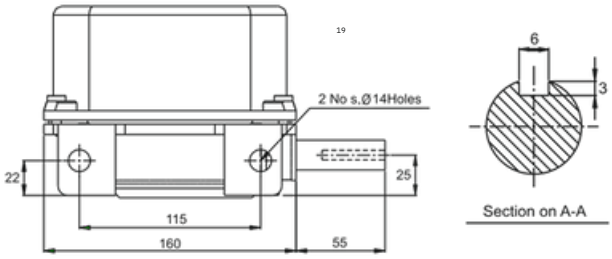
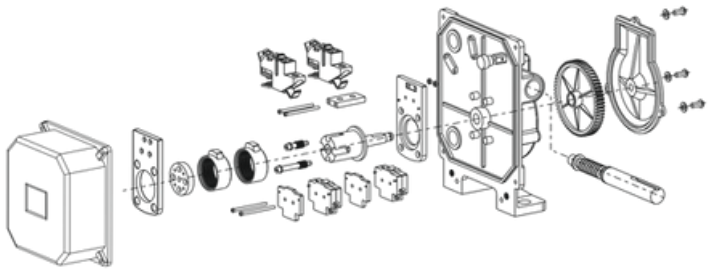




Introduction : Rotary Geared Limit Switch GRLS is used to trip motor supply when the moving loads reach the extreme end positions of working zone. The driving motion is transmitted by worm gear through worm shaft. The rotations and movements are transmitted to switches by adjustable cams.

Application : A Rotary Geared Limit Switches are suitable for use on reversing drives such as Hoists, Winches, Rolling Mills and various other mechanisms used in steel plants such as Coke Oven, Feeding Machinery etc



Technical Data :

Body Material	Alluminium Die cast(Powder Coated)		
protection degree	IP - 55 Confirming To is - 1394 (part) - 1993		
Gear Ratio	48 : 1	60 : 1	96 : 1
Cable Entries	worm Drive		
Cable Entries	2 X 3/4 Conduit		
Contact Material	Single / double Break silver cadmime		
Rated Voltage Insulation	500 V. A. C.		
Thermal Test Current	10 Amps. / 40 Amps.		
No. Of Contacts	2 NC Or 4 NC (2 NO + 2NC)		
Cam Setting	Adjustable Worm Drive		

Ratios	Useful Rotationsl	2ContactsModel40A	2 No+2NCContactsModel10 A
48 : 1	40	GRLS / 48 / 2SH	GRLS / 48 / 4SH / 2
60 : 1	50	GRLS / 60 / 2SH	GRLS / 60 / 4SH / 2
96 : 1	80	GRLS / 96 / 2SH	GRLS / 96 / 4SH / 2

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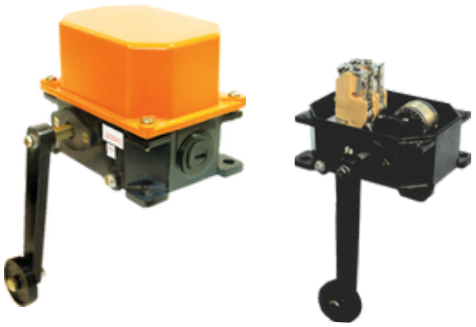
Lever Operated Limit Switches

40A Model LS

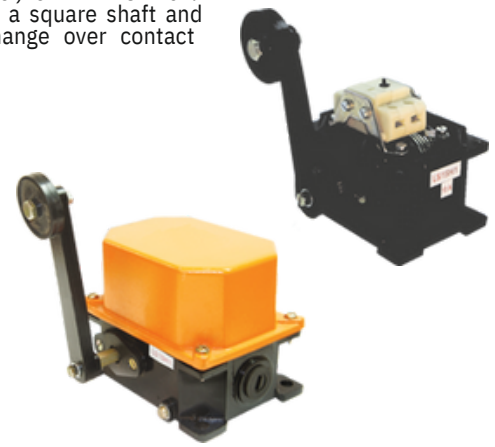


Lever Operated Limit Switches

10A Model SLS

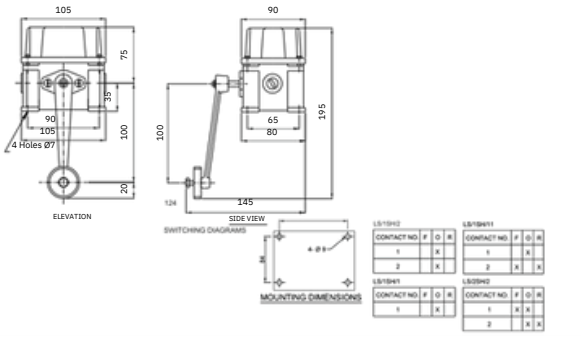
INTRODUCTION :

Lever (andweightoperated) type Limit Switch operates the control change- over contacts of motor of an moving equipment when a cam moving with loads actuates the lever / (or, the weight rests on a surface) of Limit Switch. This to turns the cam on a square shaft and operate the NO / NC change over contact elements.



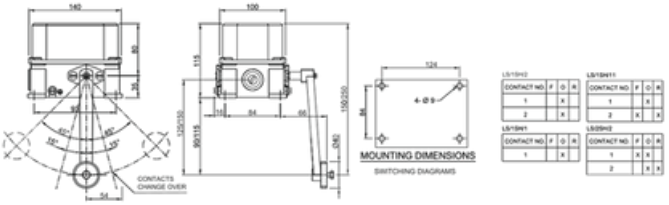
Lever Operated Limit Switches

40A Model LS



Lever Operated Limit Switches

10A Model SLS



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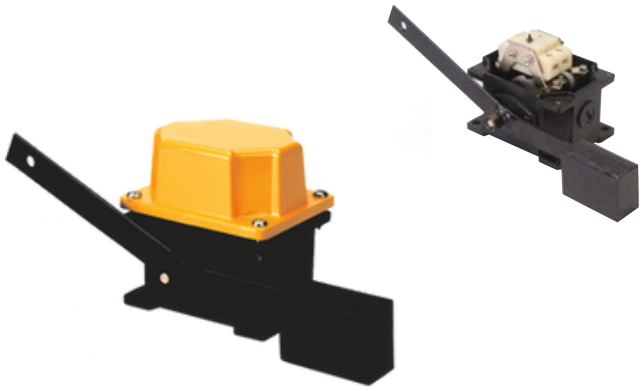
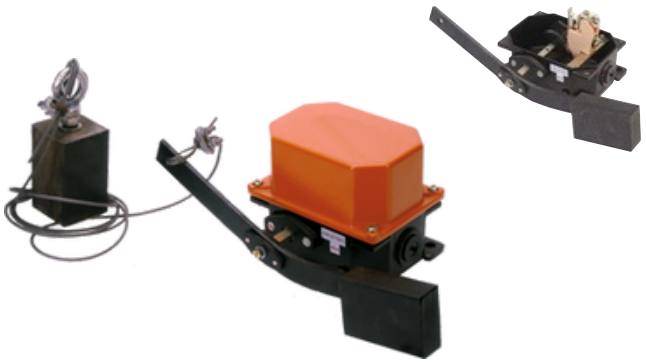
Weight Operated Limit Switches

10 Mode SCWLS



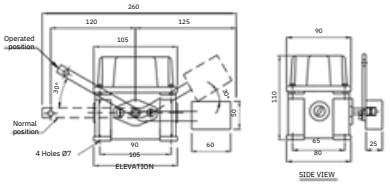
Weight Operated Limit Switches

40A Model CWLS



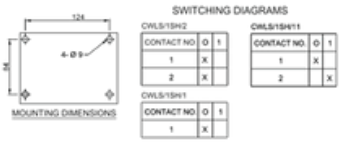
WeightOperated Limit Switches

10 Mode SCWLS



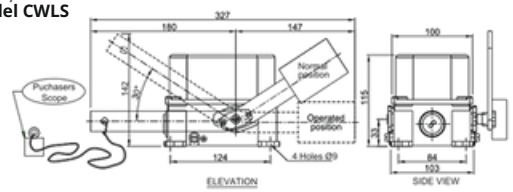
TECHNICAL DATA : CLS

Body material	Powder coated, Aluminum Diecast
Degree of protection	IP-55 IS: 13947 part 1
Mounting position	floor mounting
Cable Entries	Twin, 3/4" BS conduit
No. of contact	2 / 4
Contact	Silver-cadmium
Wire connection	Screwed Terminals
Thermal Test Current	10 A
Rated Voltage	500 VAC



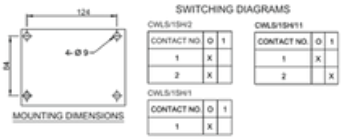
WeightOperated Limit Switches

40A Model CWLS



TECHNICAL DATA :

Body material	Powder coated,
Degree of protection	Aluminum Diecast
Mounting position	IP-55 IS: 13947 part 1
Cable Entries	floor mounting
No. of contact	Twin, 3/4" BS conduit
Contact	2 / 4
Wire connection	Silver-cadmium
Thermal Test Current	Screwed Terminals
Rated Voltage	25 A
	500 VAC



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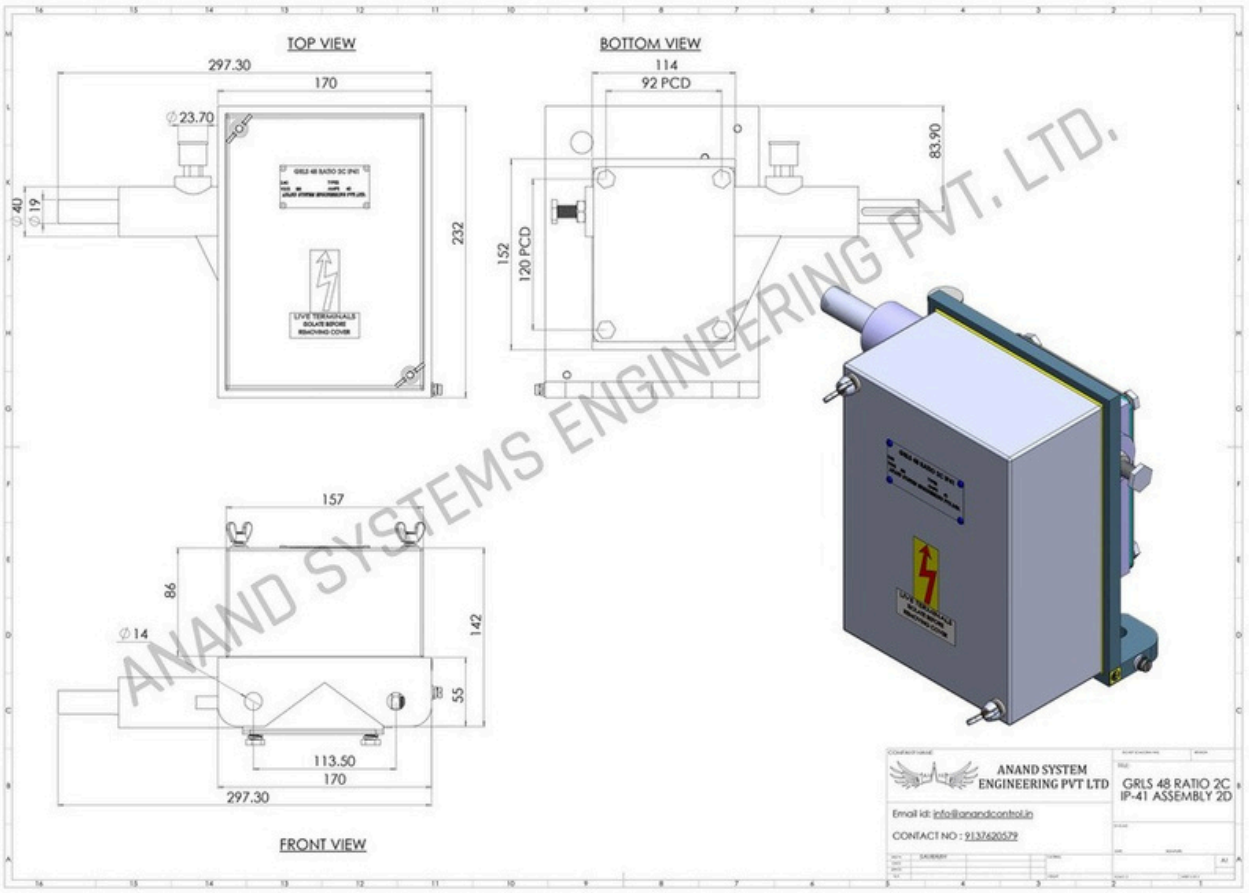
2D DRAWING OF GRLS 40 RATIO 2C IP-41



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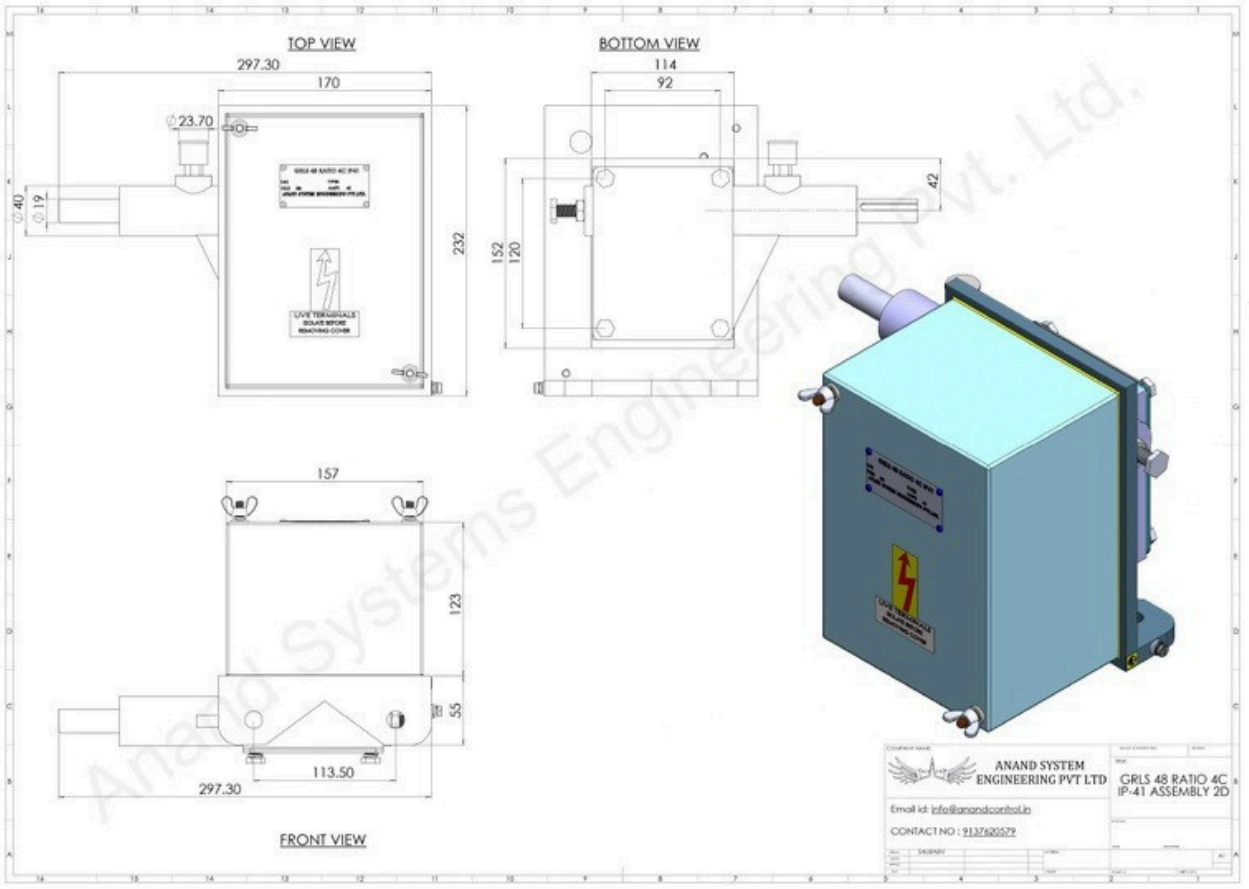
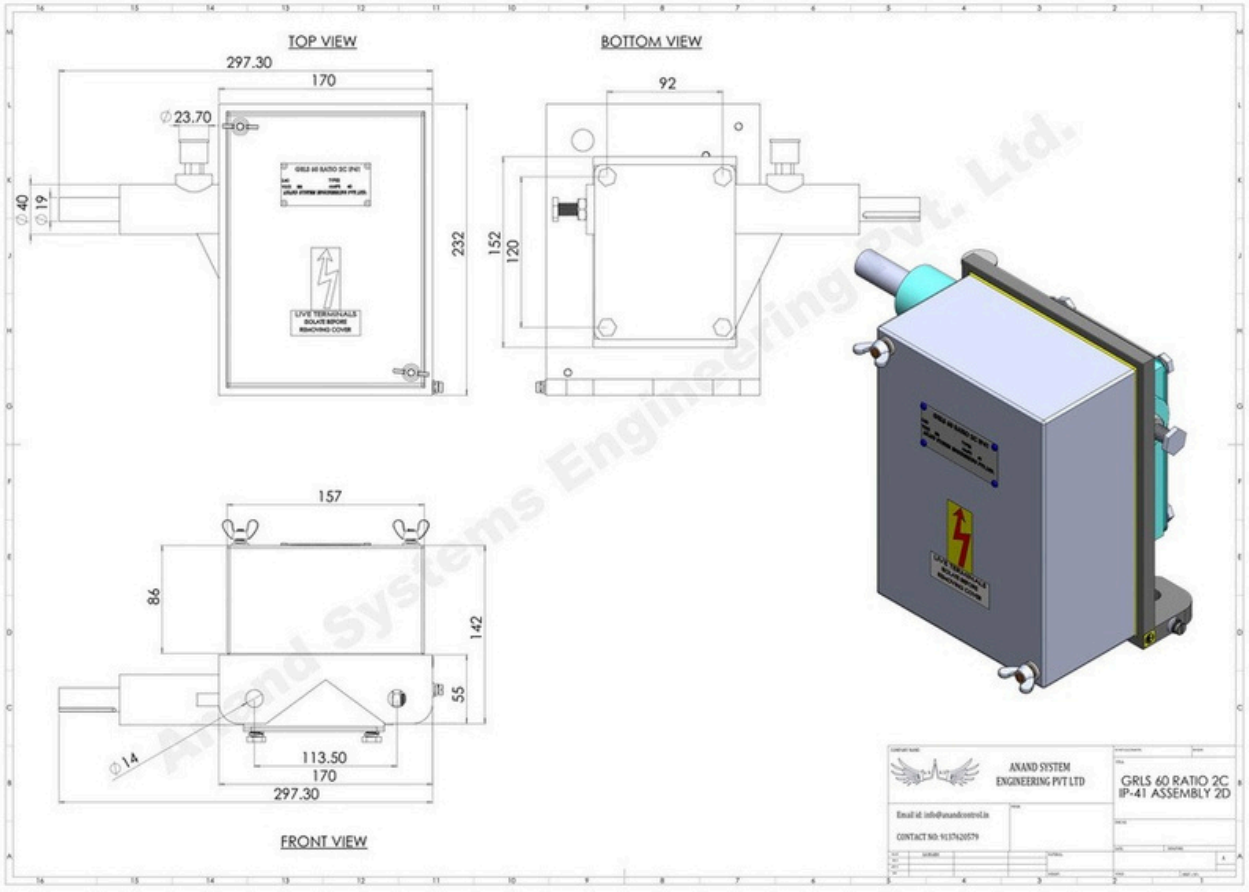


2D DRAWING OF GRLS 60 RATIO 2C IP-41



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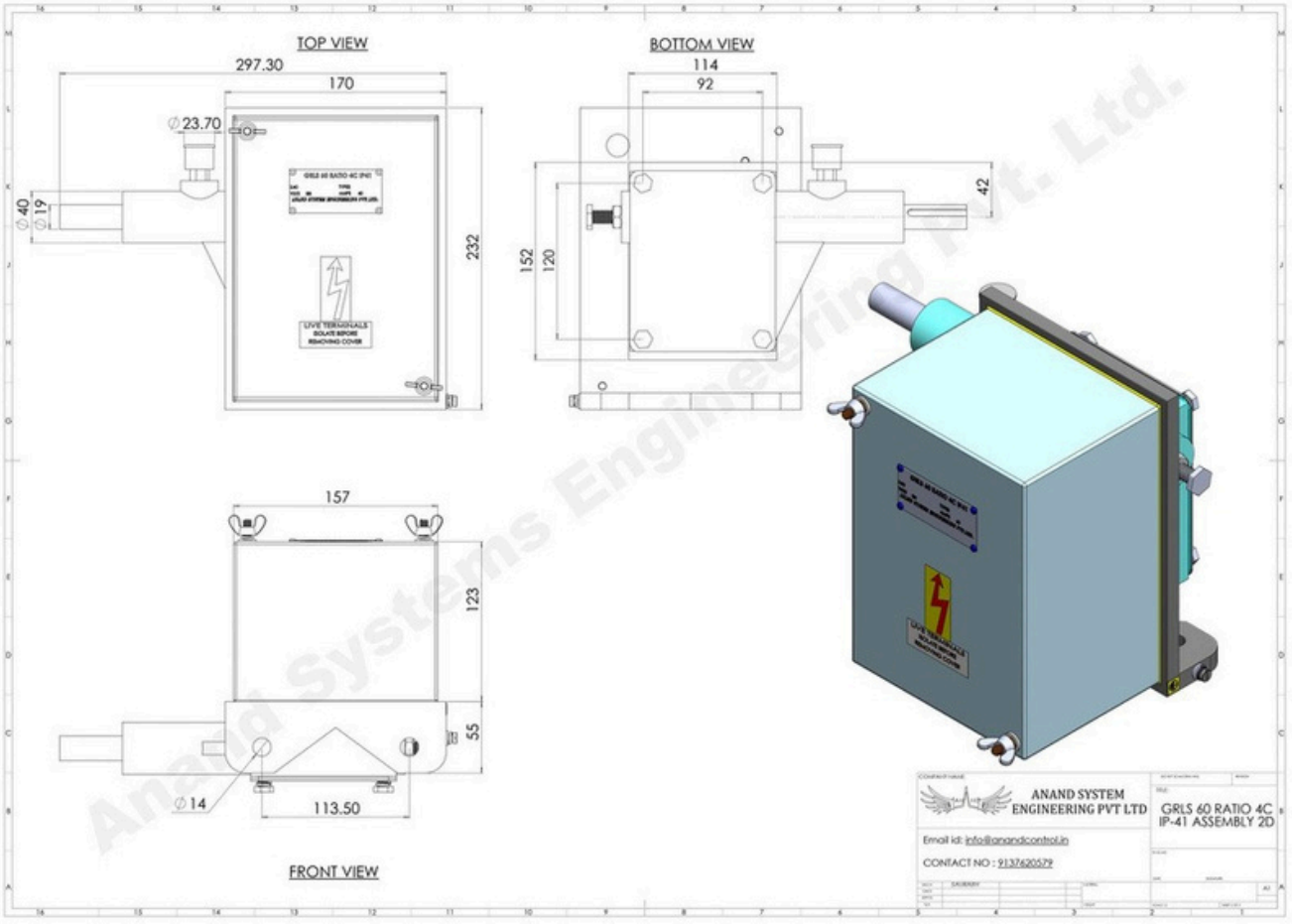

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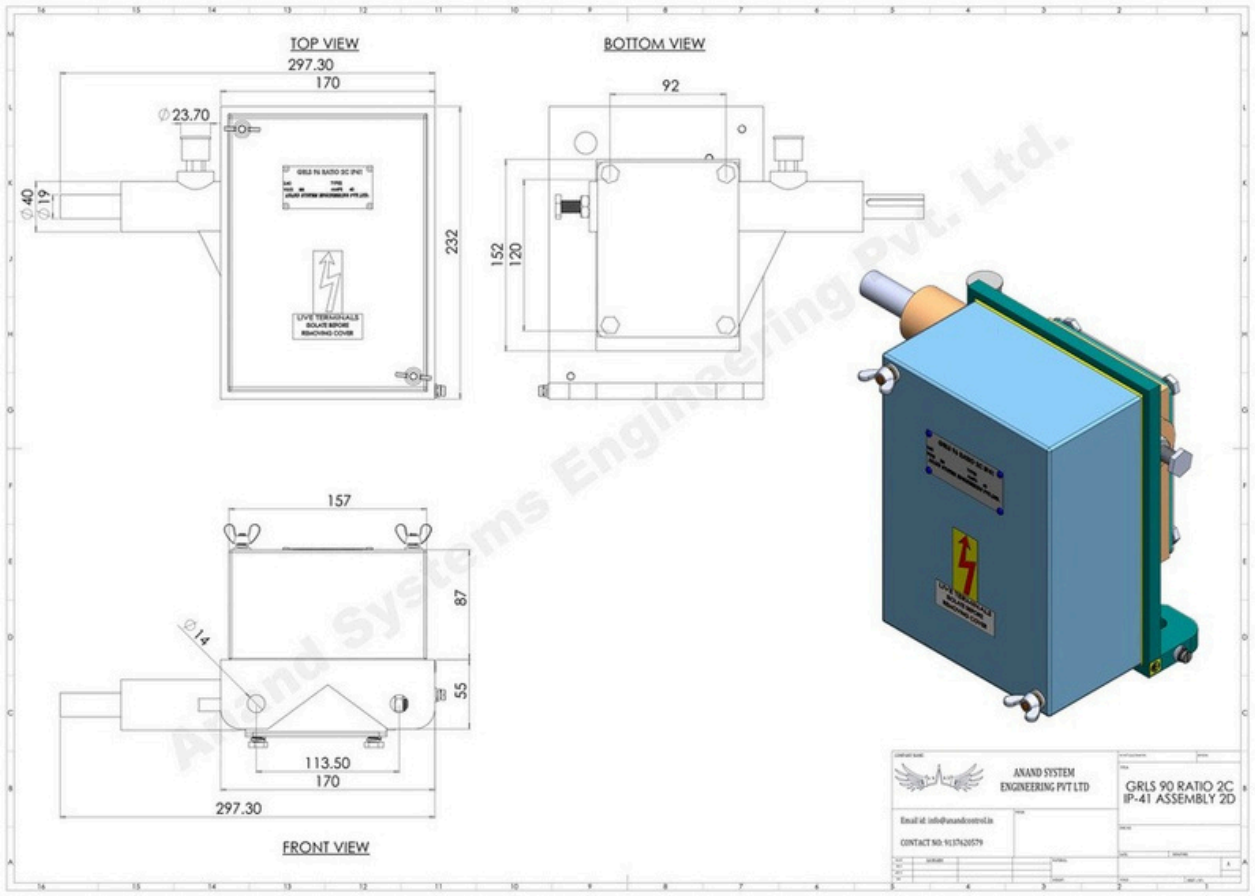

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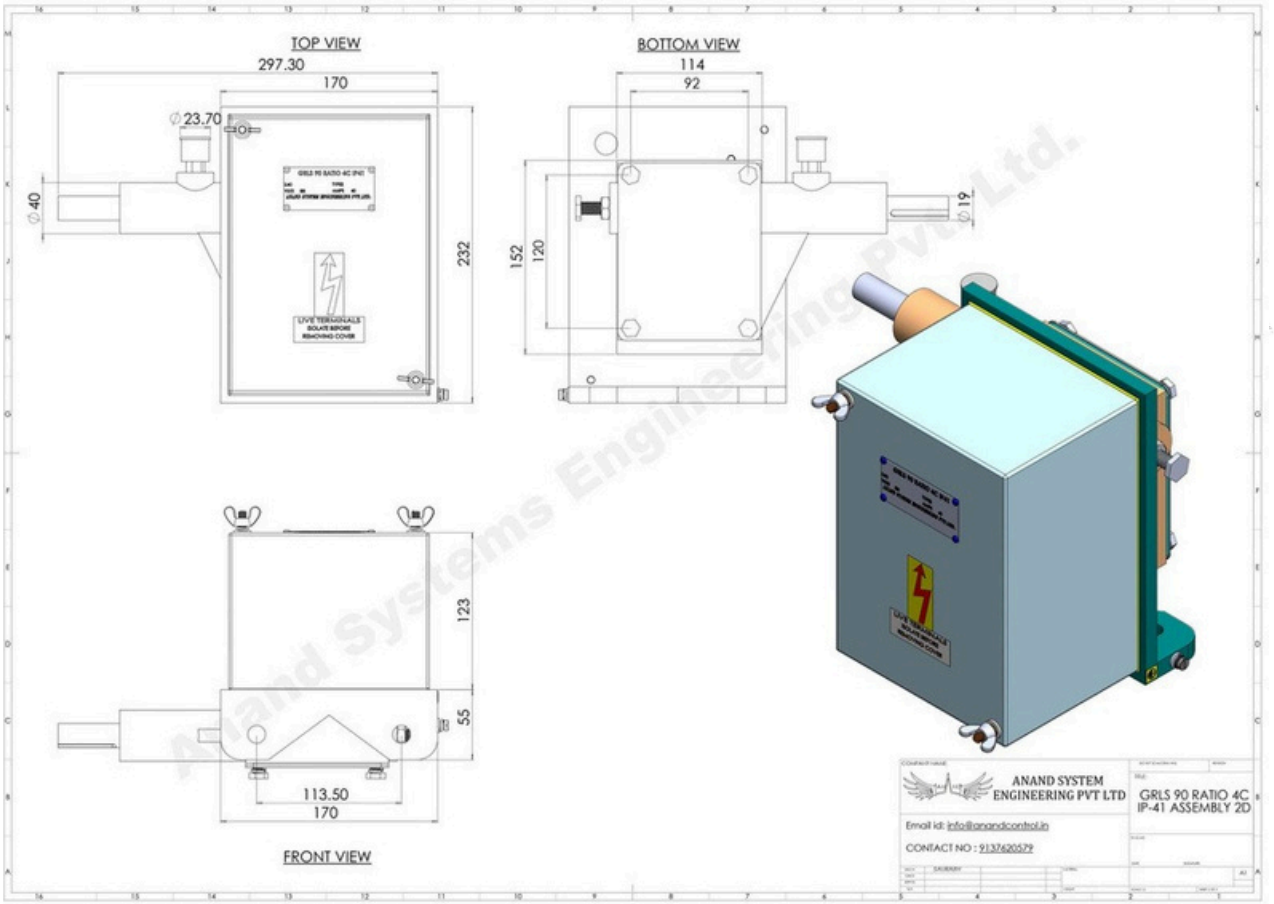
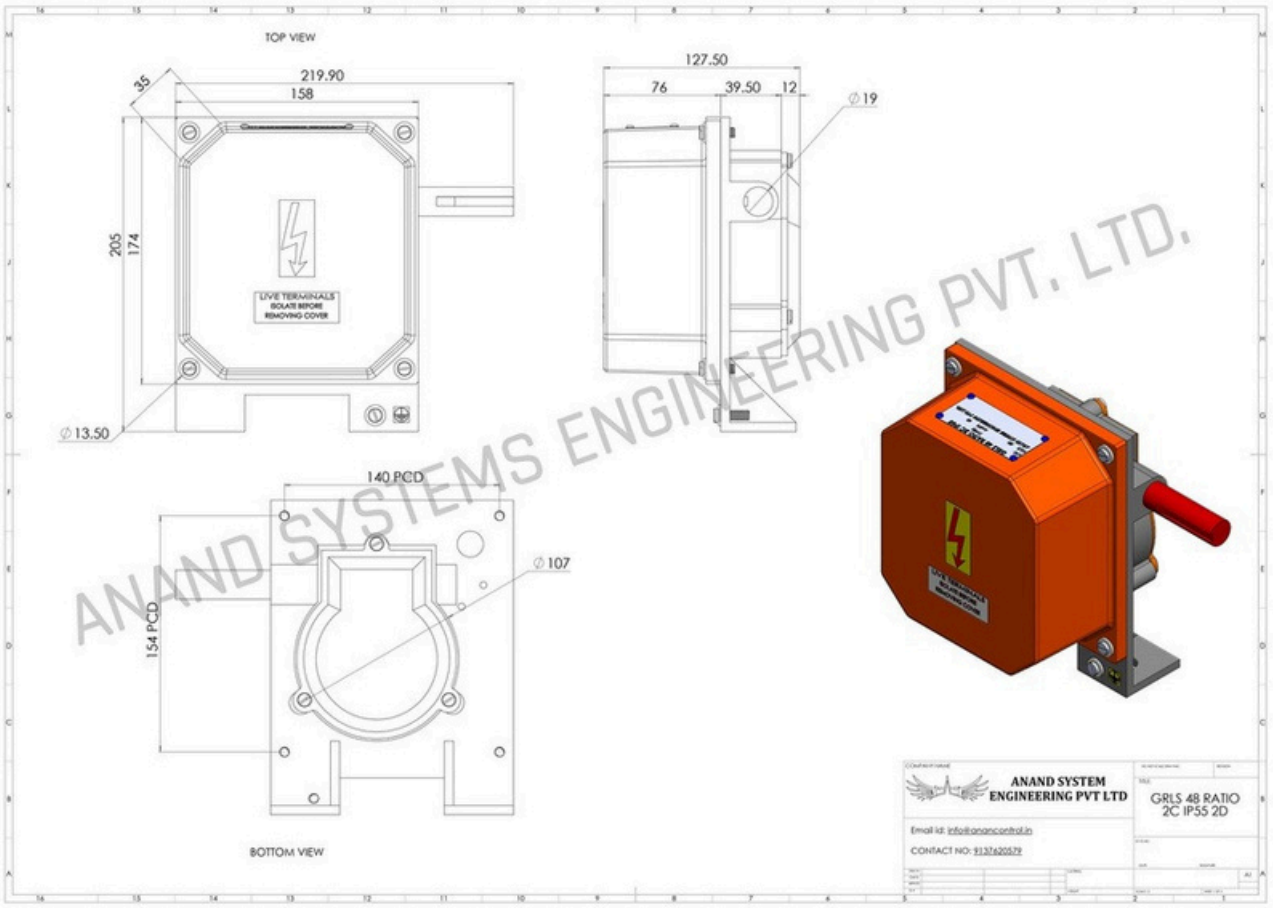


2D DRAWING OF GRLS 48 RATIO 2C IP-55



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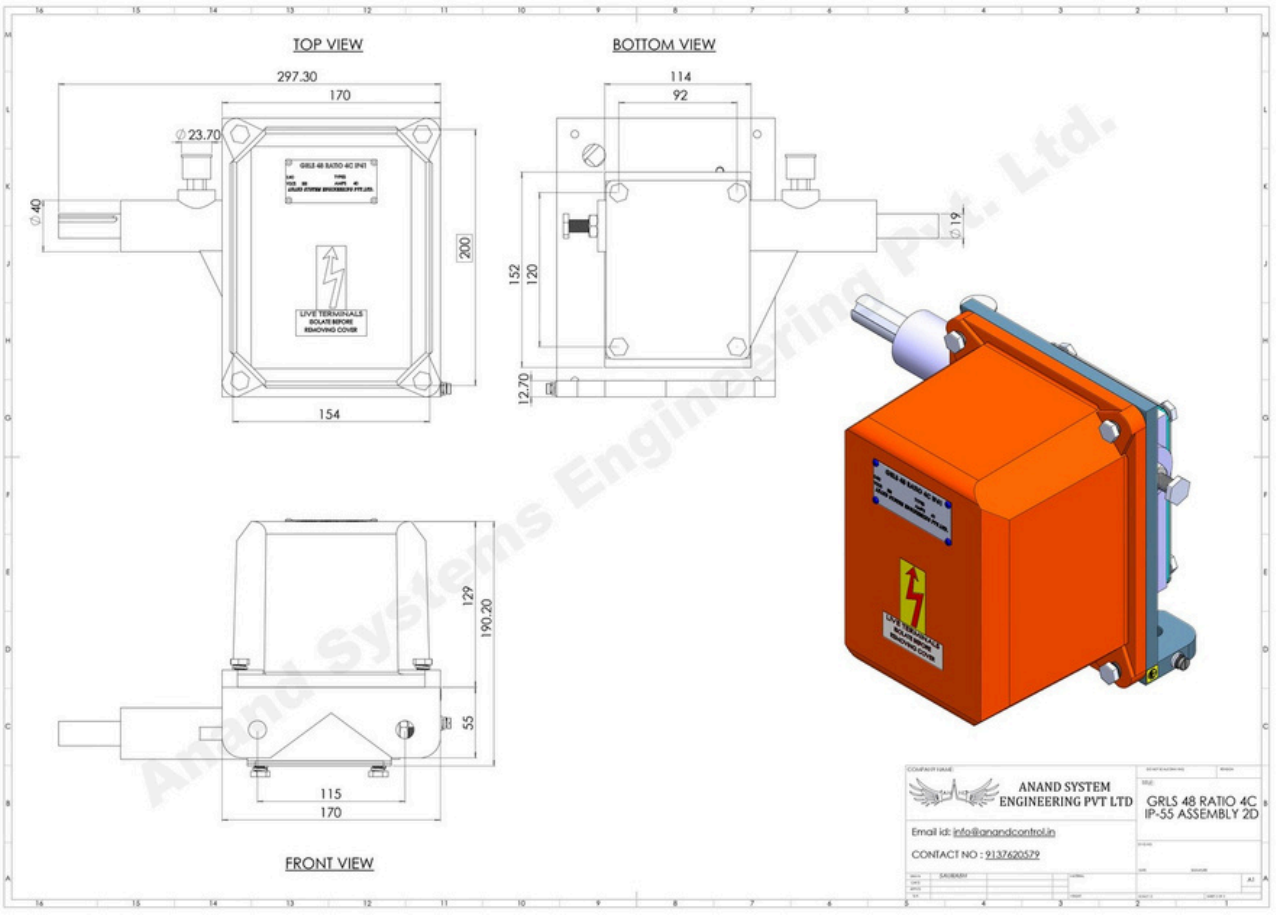

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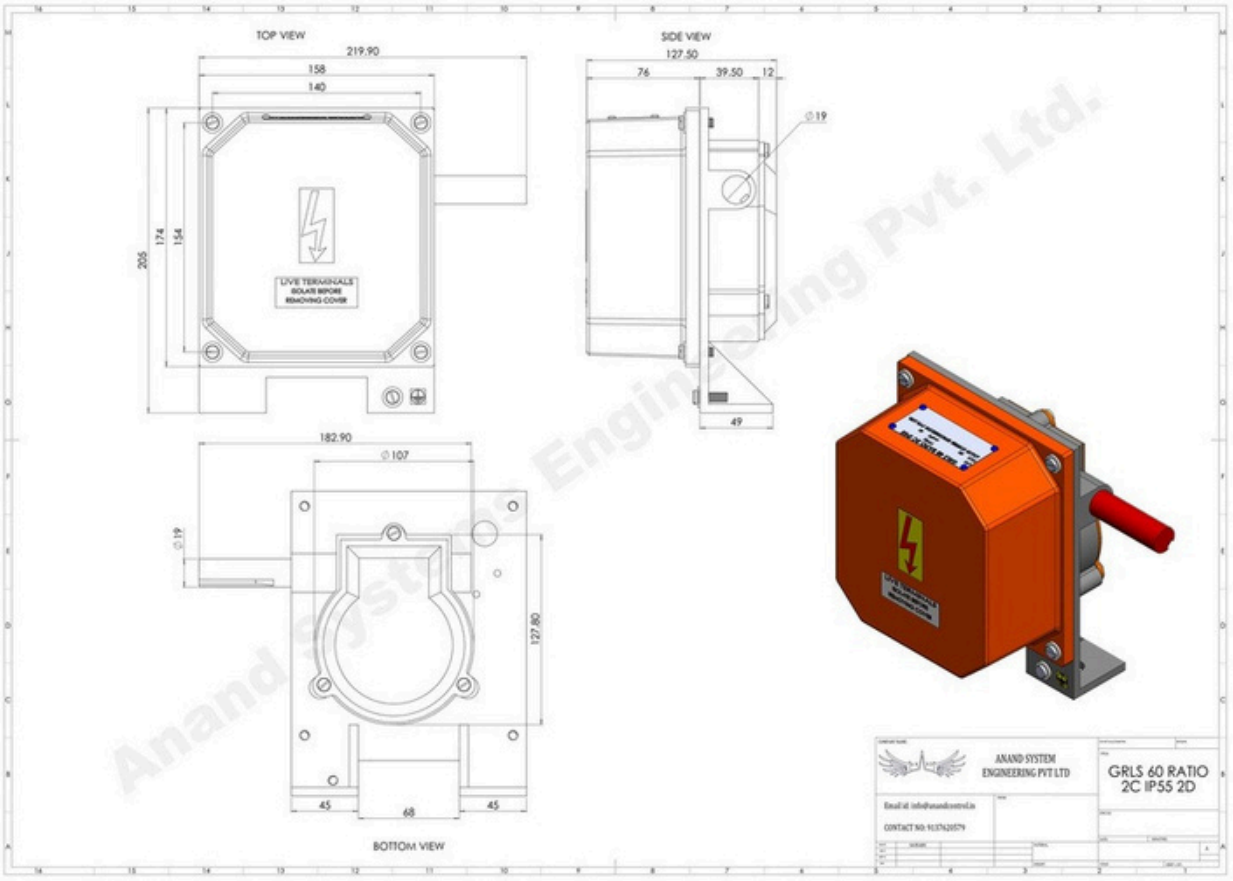

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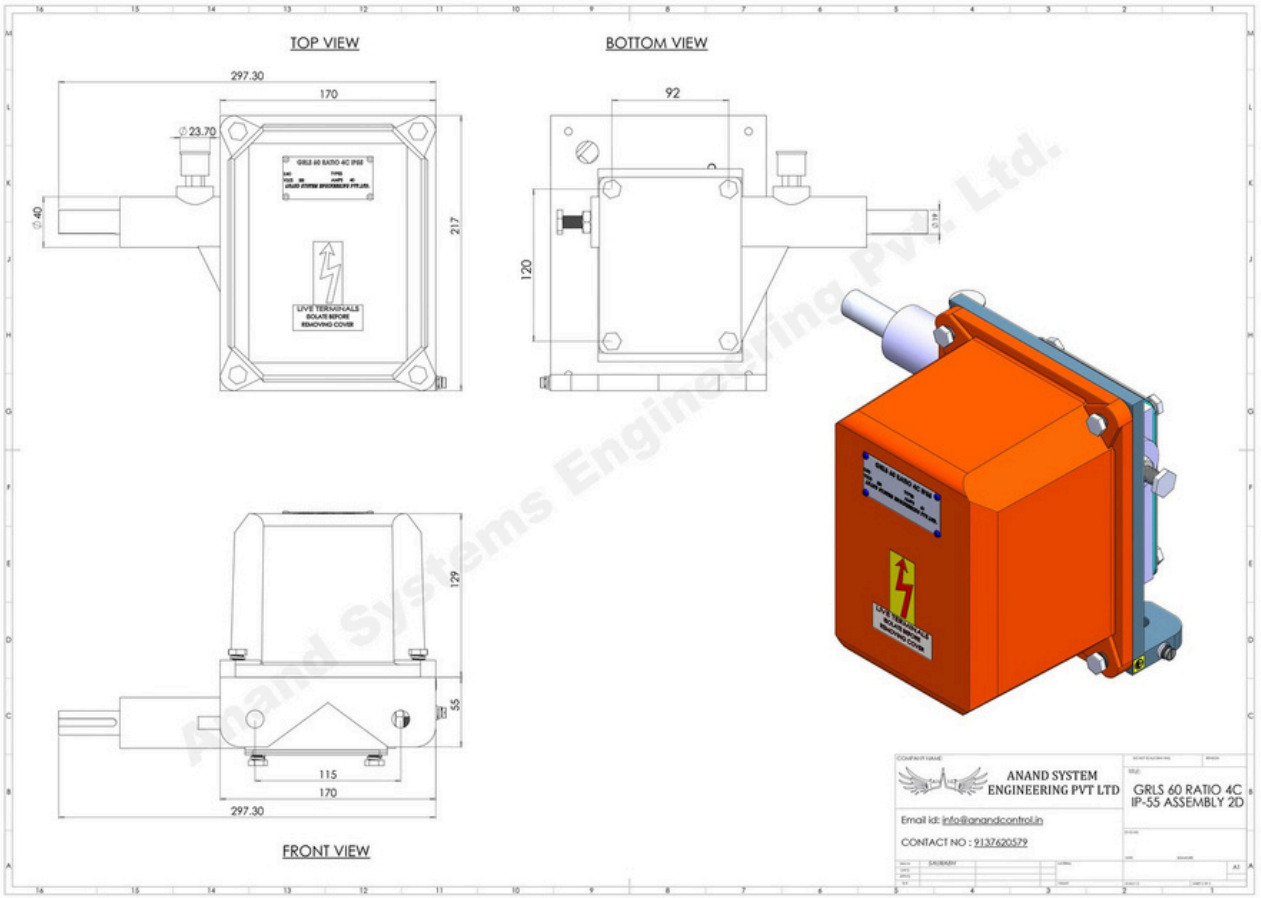

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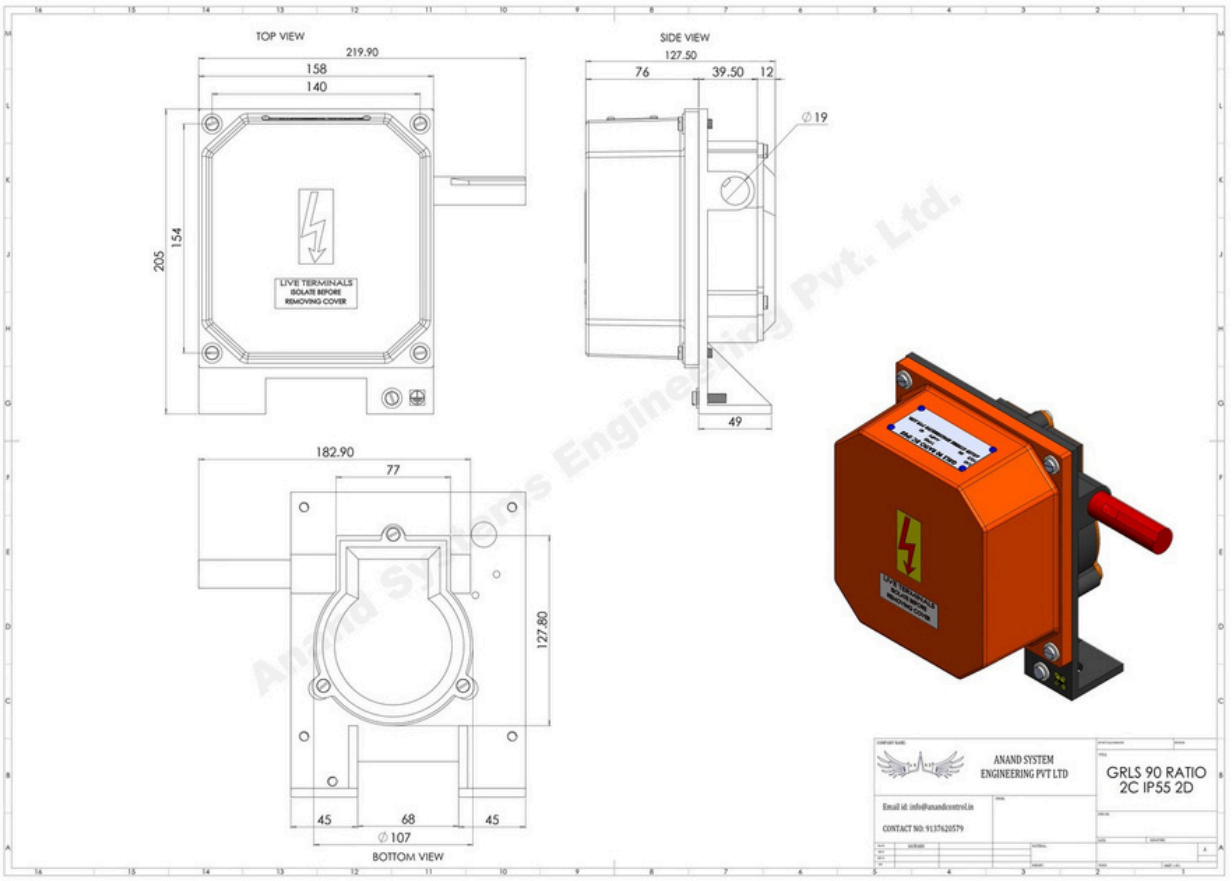

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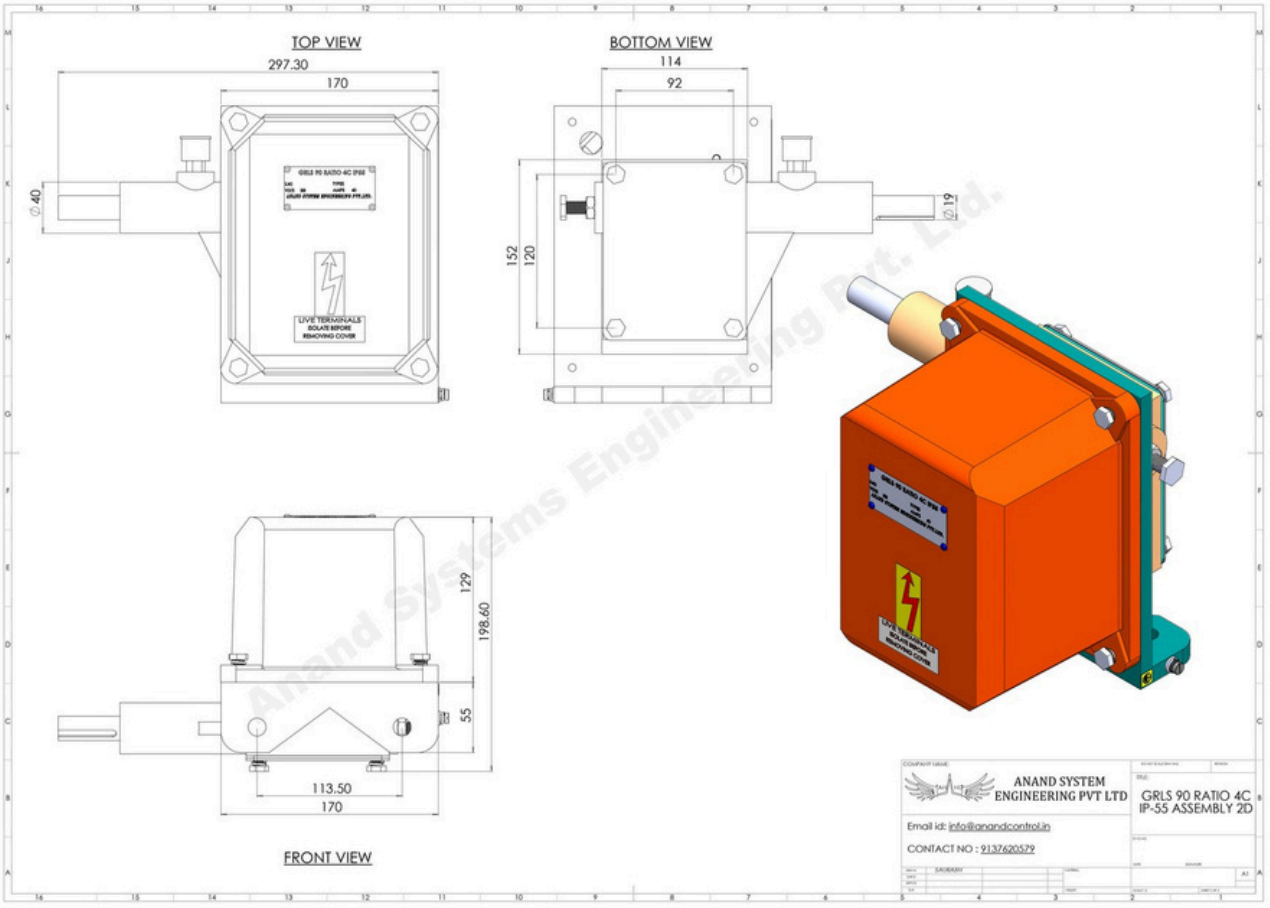

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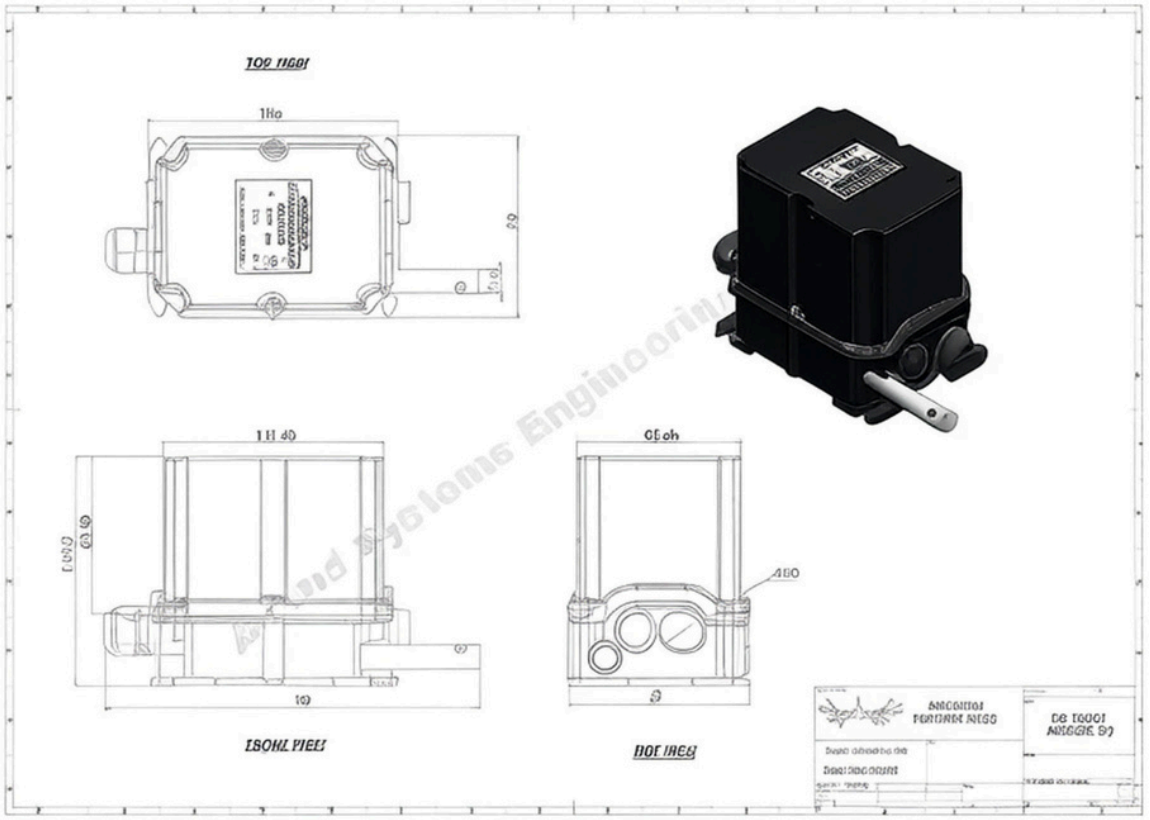

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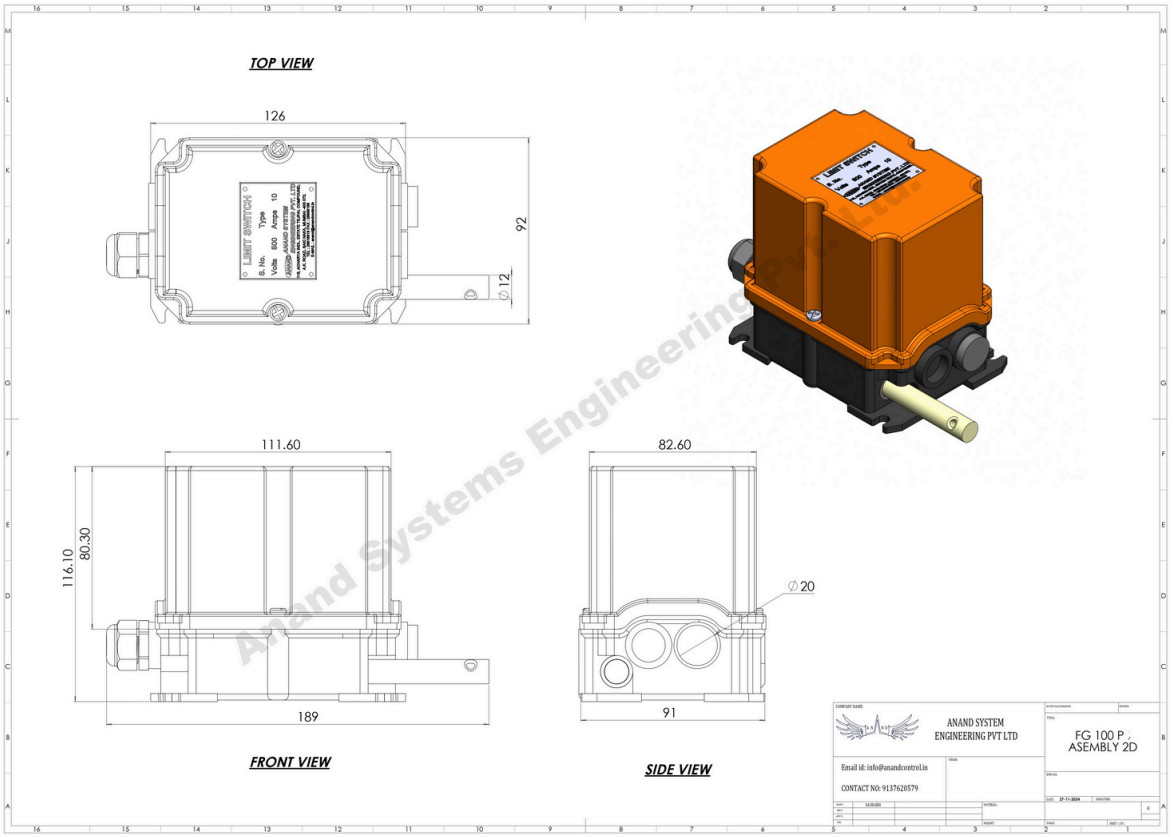
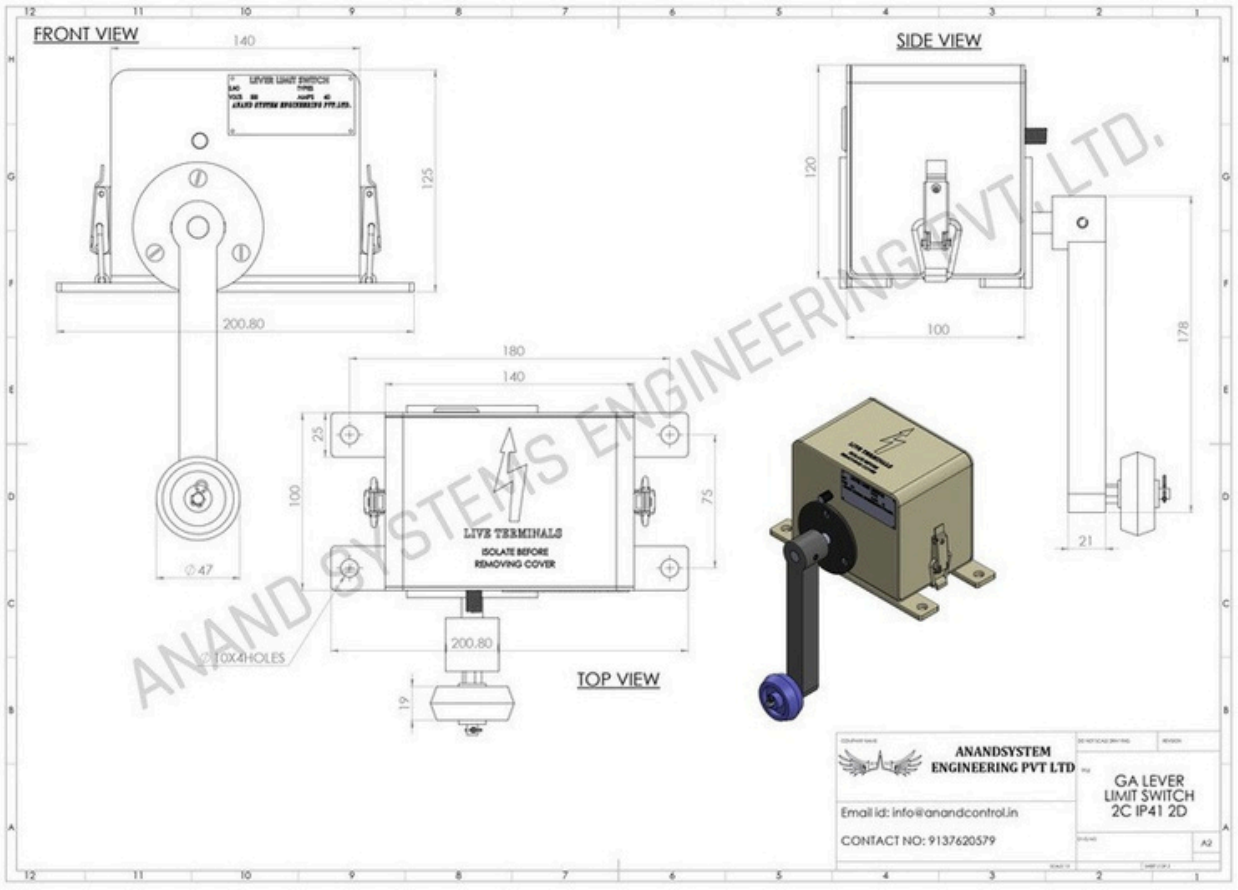


2D DRAWING OF LEVER LIMIT SWITCH 2C IP-41



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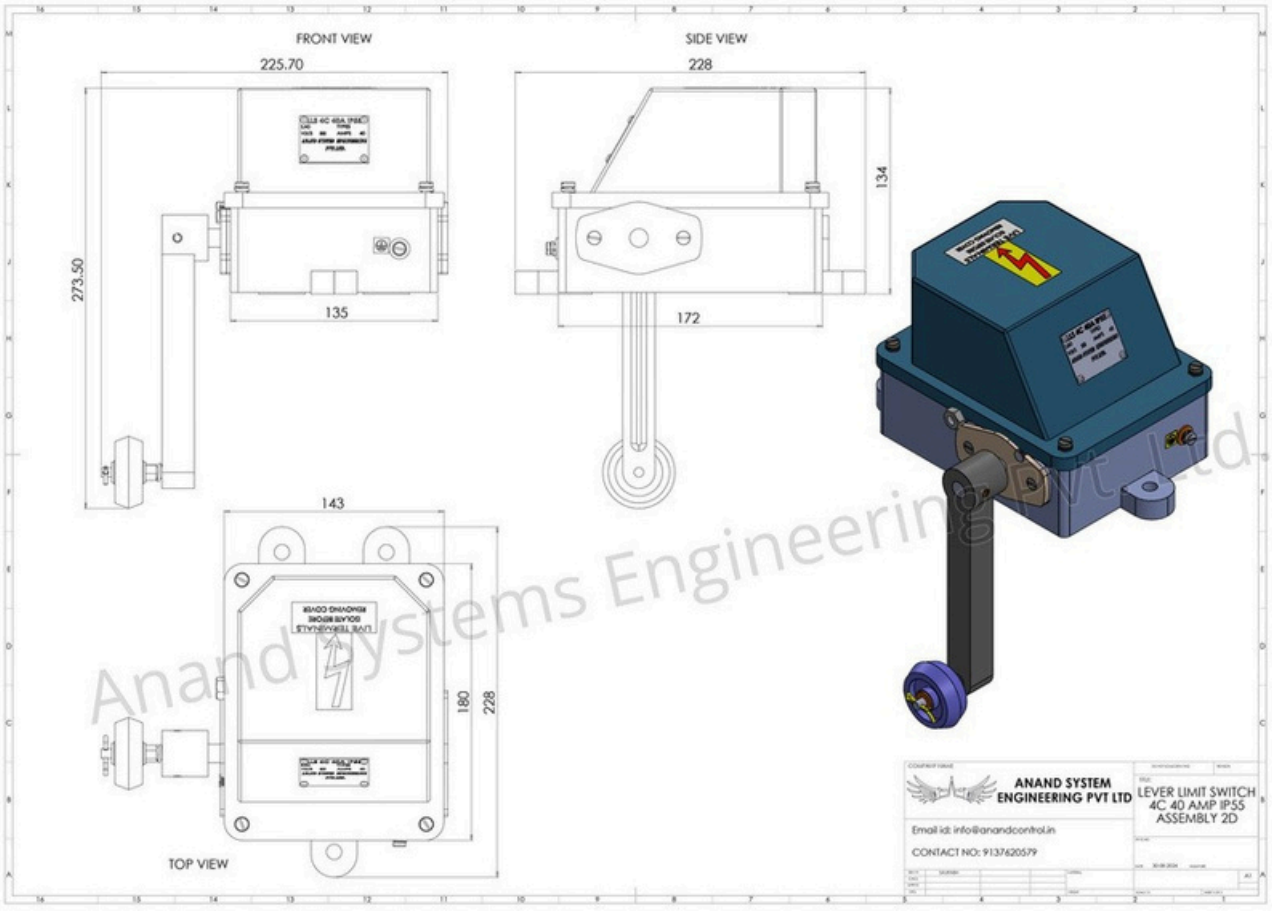
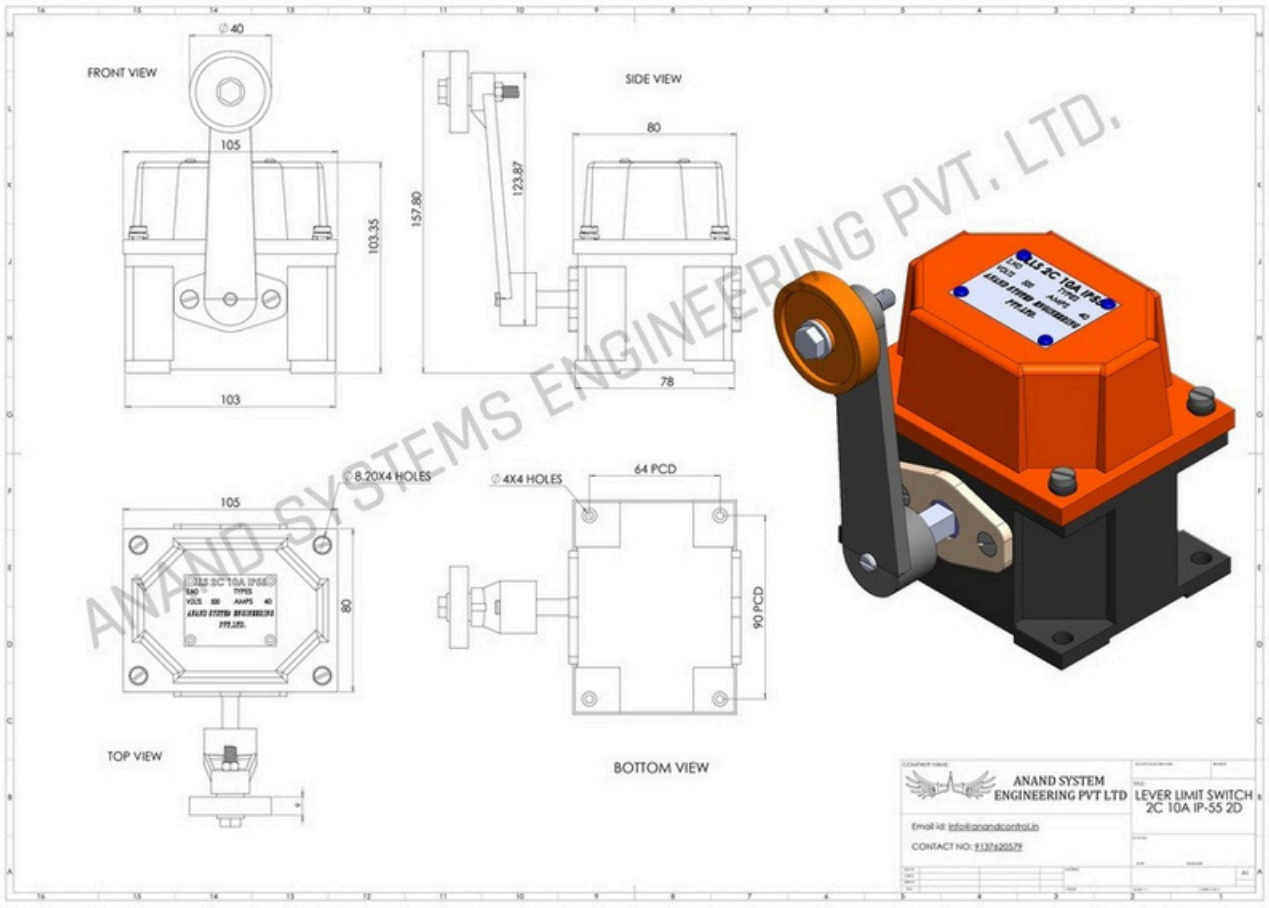


2D DRAWING OF LEVER LIMIT SWITCH 2C 10 AMP IP-55



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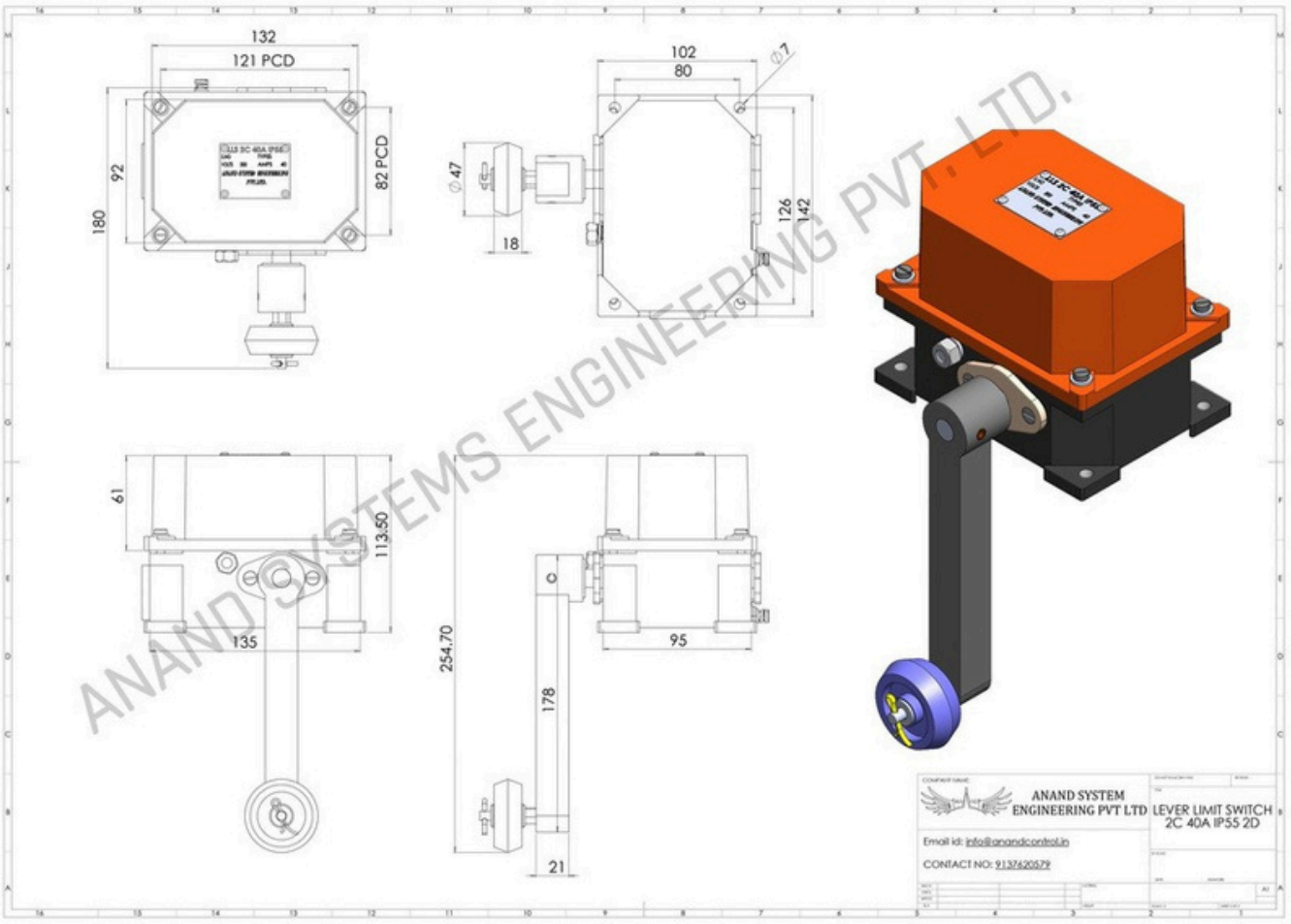
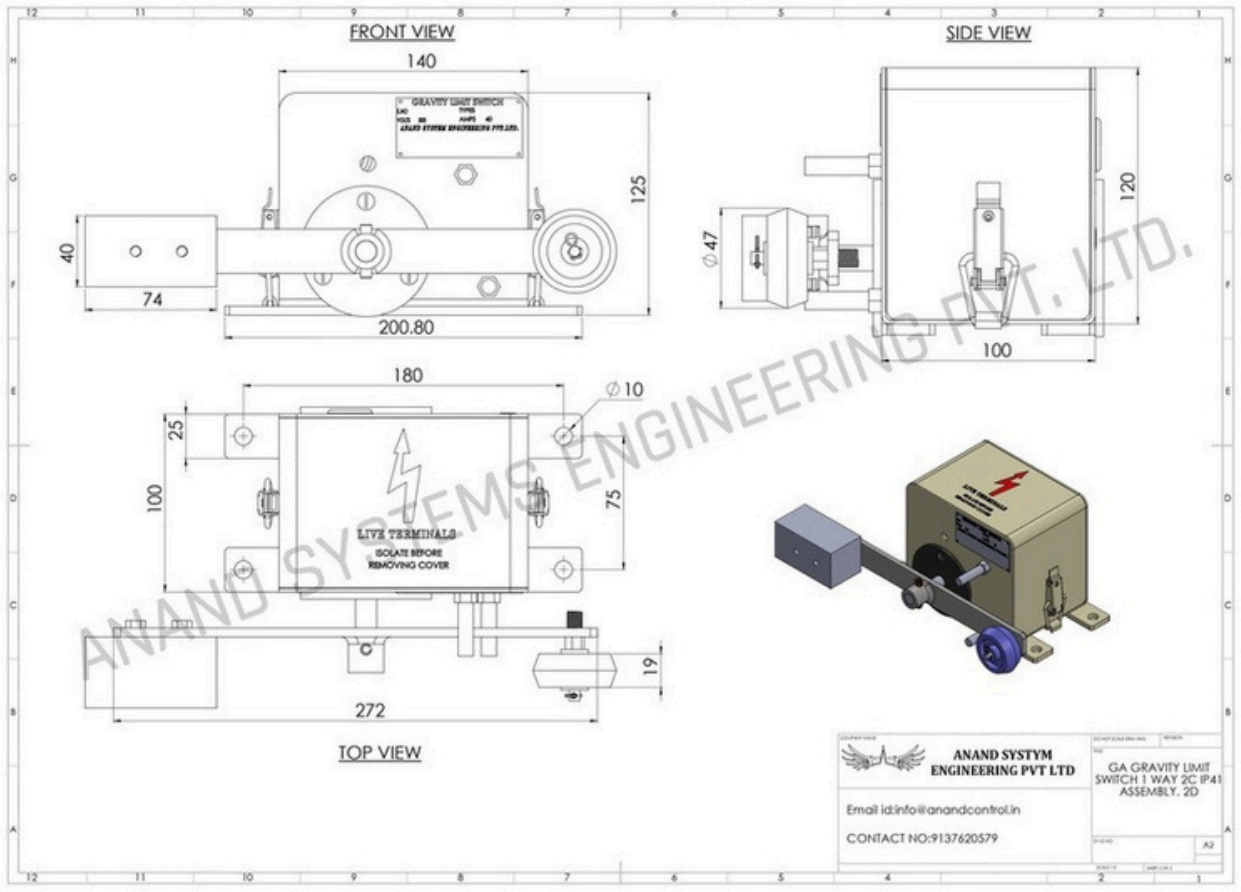


2D DRAWING OF GRAVITY LIMIT SWITCH 1 WAY 2C IP-41



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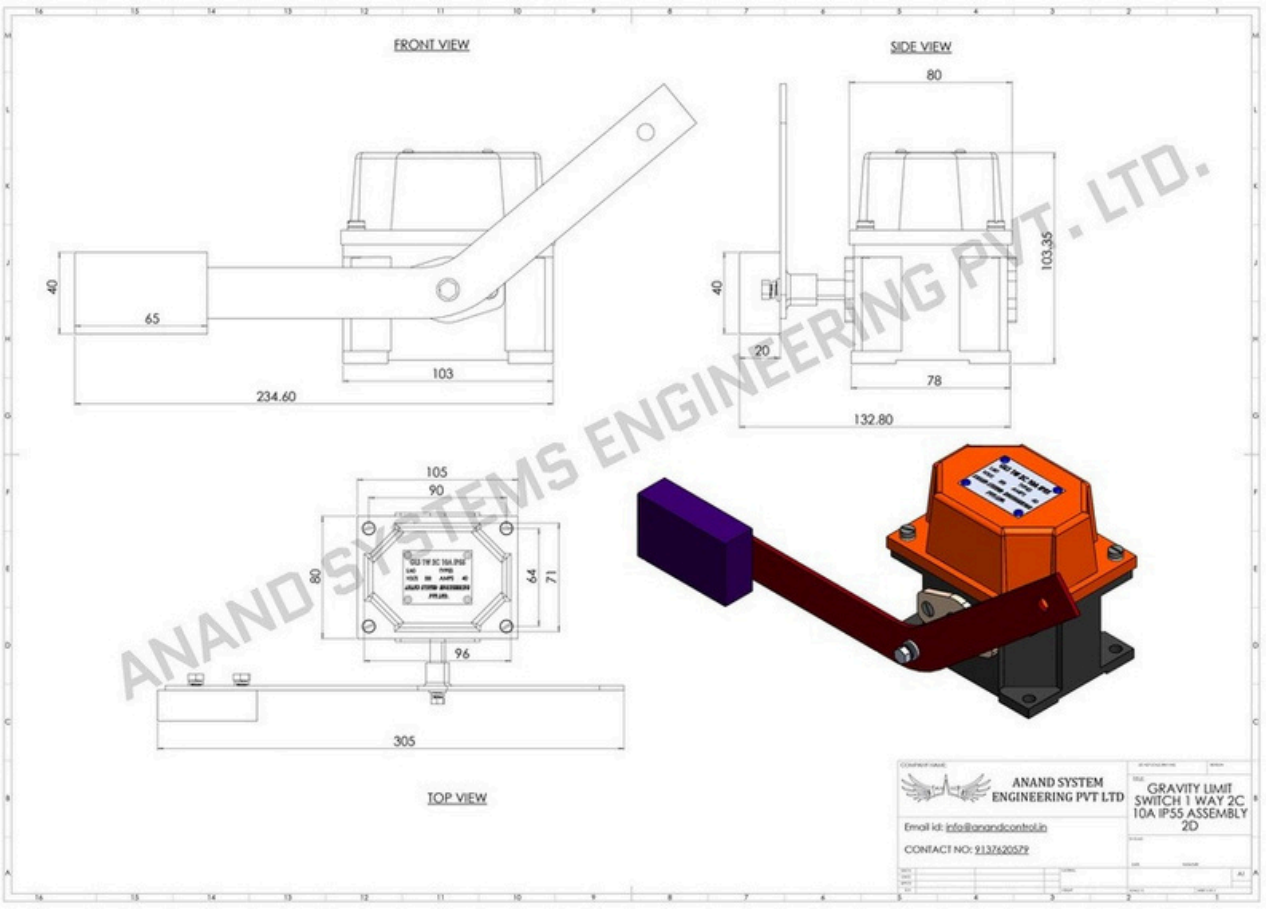
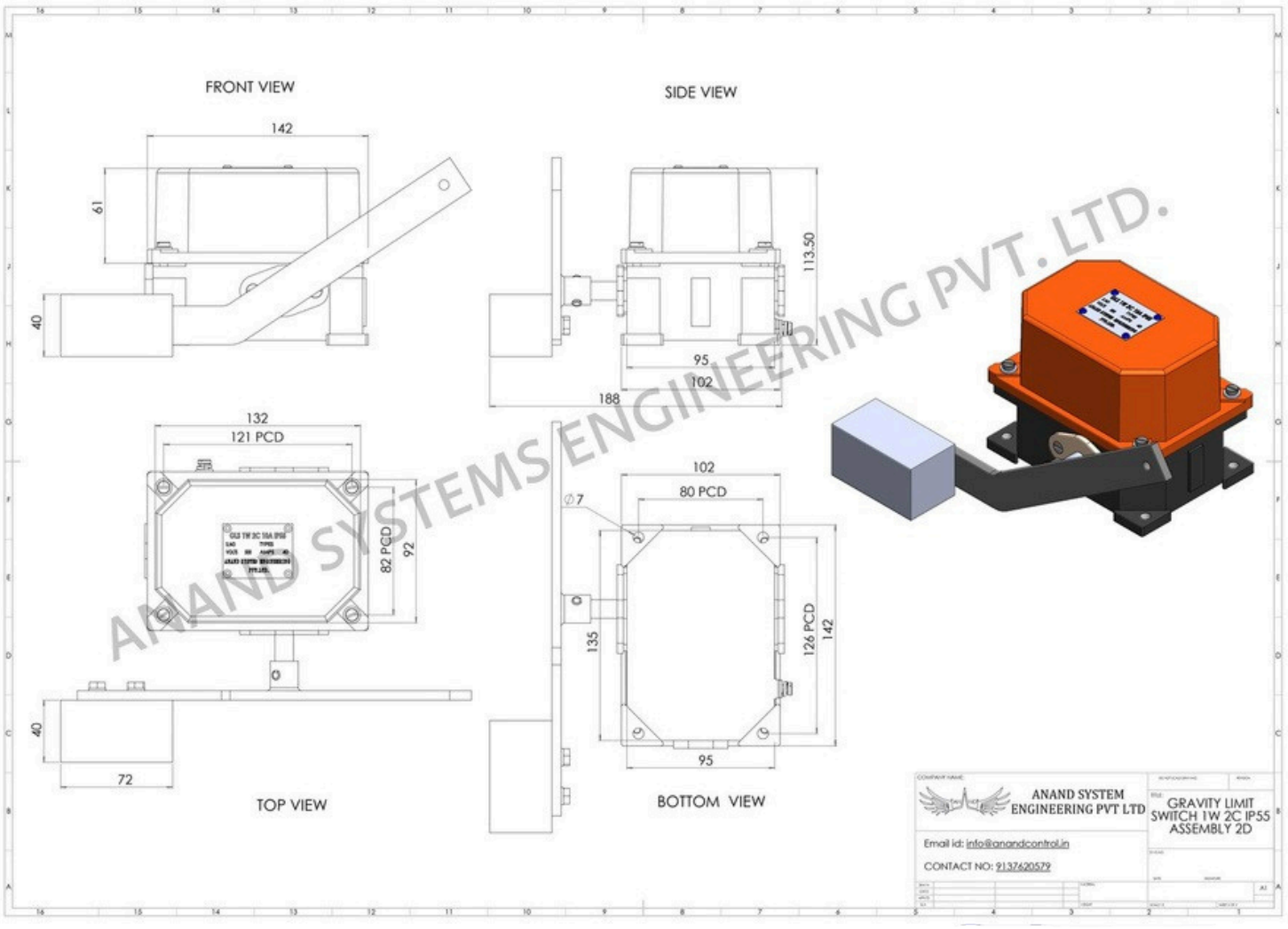
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