



LIDCO, Pars SEE Zone, Assaluyeh,
Integrated Methanol and Ammonia
Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT



Outline Dimensional Drawings for LCP Panel and Junction Box

Document No. 17735-07

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
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**Airpack B.V. - Air Compressor –
Integrated Methanol and Ammonia Plant
17735-COM Outline Dimensional Drawings for LCP Panel and
Junction Box (K020)**

Code-2
M. Vakili

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
02	21-12-2023	Issued for Approval	R.T.	S.K.	J.J.
01	07-12-2023	Issued for Approval	R.T.	S.K.	J.J.

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2	X	X				27						52						77						
3	X	X				28						53						78						
4	X	X				29						54						79						
5	X	X				30						55						80						
6	X	X				31						56						81						
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23						48						73						5						
24						49						74						6						
25						50						75						7						

Nr.	Description	Tag Number	Qty	Make	Order Number
1	Compressor Running Lamp (Green)	3H4	1	Schneider Electric	XB4BVB3
2	Compressor Operatinal Lamp (Green)	3H6	1	Schneider Electric	XB4BVB3
3	Common Alarm Lamp (Amber)	3H8	1	Schneider Electric	XB4BVB5
4	Common Trip Lamp (Red)	3H10	1	Schneider Electric	XB4BVB4
5	Compressor Start Pushbutton (Green)	2S4	1	Schneider Electric	XB4BA31
6	Compressor Stop Pushbutton (Red)	2S6	1	Schneider Electric	XB4BA42
7	Local/Remote Selector Switch	2S8	1	Schneider Electric	XB4BD21
8	Emergency Stop Pushbutton (Red Mushroom Type with Protective Cover)	4S4	1	Schneider Electric	XB5AS8444

Terminal Strip Definition




300TDD820	Connection Pushbuttons and Lamps	300TDD820	20	Phoenix Contact	UT 4
300TED820	Connection ESD Pushbutton	300TED820	4	Phoenix Contact	UT 4

cable gland and Gap should be added to the list

Should be according to latest sub vendor list document

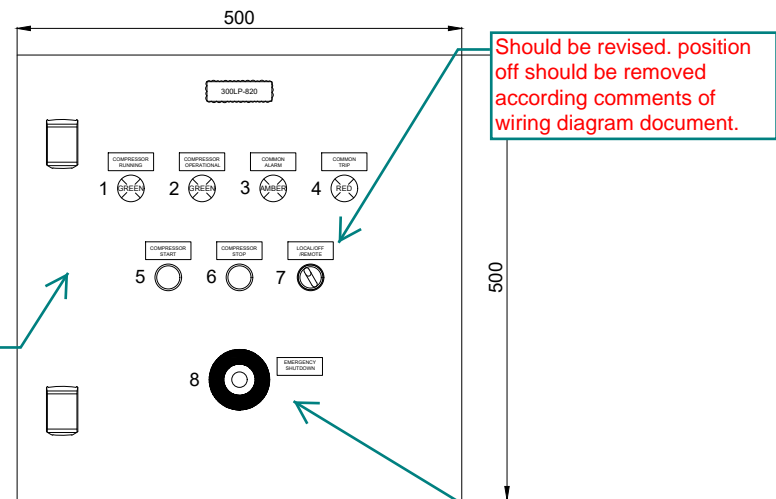
NOTES

- Components subject to change based on availability.
- Tags correspond to tags on wiring diagram, N-278-VD-6019-IN-DIA-0005-01

02	21/12/23	ISSUED FOR REVIEW	RT	SK	KP		
01	07/12/23	ISSUED FOR REVIEW	RT	SK	KP		
REV.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED		
CLIENT: 		CONTRACTOR: 	VENDOR: 				
<small>THIS DOCUMENT HAS BEEN PRODUCED BY CONTRACTOR FOR LIDCO IT IS CONFIDENTIAL AND CANNOT BE DISCLOSED TO OR USED BY ANY THIRD PARTY FOR ANY PURPOSE, WITHOUT PRIOR WRITTEN CONSENT.</small>							
PROJECT TITLE: LIDCO, Pars SEE Zone, Assaluyeh Integrated Methanol and Ammonia Plant 3000 MTPD MeOH/900 MTPD NH3 PROJECT							
DRAWING TITLE: Outline Dimensional Drawings for LCP Panel and Junction Box							
DOCUMENT No: 17735-07 Panel Layout Diagram					SC.		
					SIZE: A3		
PROJECT No.	VENDOR DOC.	P.O. No.	DEPARTMENT	DOC. TYPE	SERIAL No.	REV.	SHEET No.
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300LP-820 Local Pushbutton Station

Front Side (Outside View)

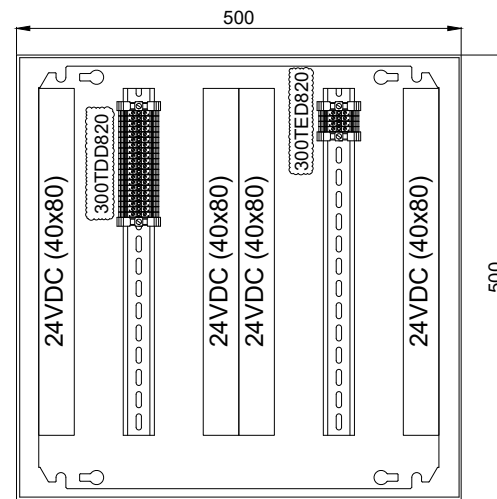


As per TCL, lamp test Push button should be added

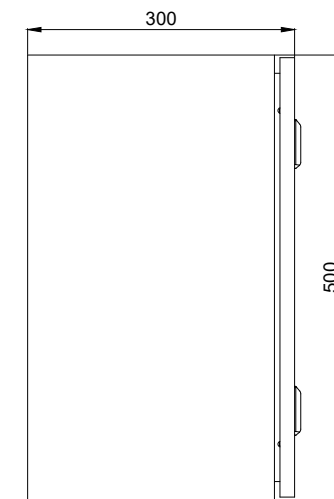
Should be revised. position off should be removed according comments of wiring diagram document.

All Emergency PBs & Switches in LCP or UCP shall have a protective cover to avoid inadvertent shutdown.

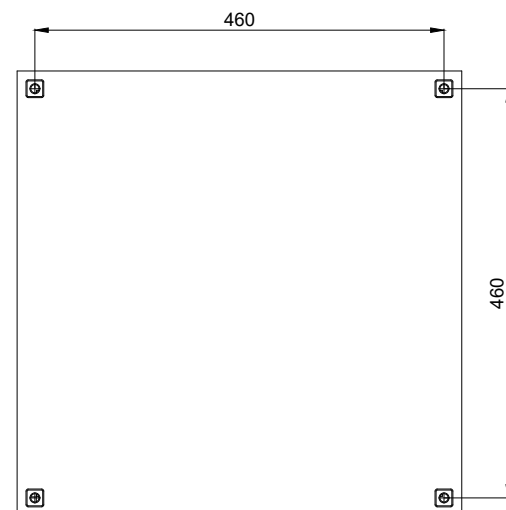
Front Side (Inside View)



Left Side View

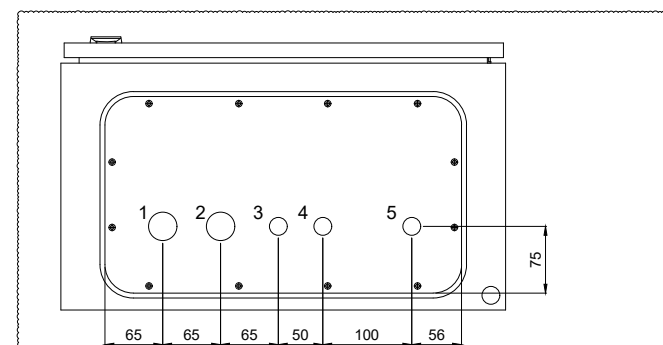


Back View



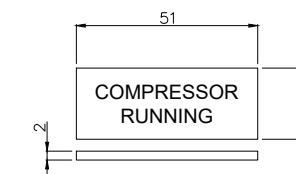
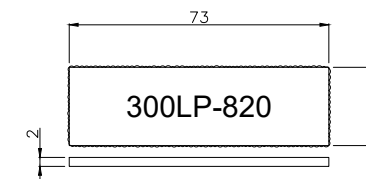
- Panel thickness shall be 2 mm.
 - Cable gland and Gap is scope of vendor should be mentioned. add to table
 - Material should be SS316 as per spec of project
 - - Earth stud should be considered.

Bottom View



Gland Entry Details

1. M32 - 1x (Incoming Cable from Customer, Pushbuttons and Lamps)
2. M32 - 1x (Spare)
3. M20 - 1x (Incoming Cable from Customer, ESD Pushbutton)
4. M20 - 1x (Spare)
5. M20 - 1x (Breather)



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DRAWING TITLE: Outline Dimensional Drawings for LCP Panel and Junction Box




DOCUMENT No: 17735-07 Panel Layout Diagram SC: SIZE: A3

PROJECT No.	VENDOR DOC.	P.O. No.	DEPARTMENT	DOC. TYPE	SERIAL No.	REV.	SHEET No.
N278	VD	6019	IN	DWG	0007	02	2 OF 4

- NOTES
- 1) Panel Dimensions: 500x500x300mm
 - 2) Panel Material: Painted Sheet Steel (RAL 7035)
 - 3) Panel Thickness: 1.5mm
 - 4) Area Classification: Safe
 - 5) Ingress Protection: IP65
 - 6) Cable Raceways Will Have 20% Spare Space
 - 7) Panel Weight: ~25kg
 - 8) Manufacturer: Rittal
 - 9) Model Number: 1350000
 - 10) DIN Rail Type: NS35

Nr.	Description	Tag Number	Qty	Make	Order Number
Terminal Strip Definition					
300TDA820	Connection Analog Transmitters to Client	300TDA820	48	Phoenix Contact	UT 4
300TDA821	Connection Pressure Control Valve to Client	300TDA821	10	Phoenix Contact	UT 4

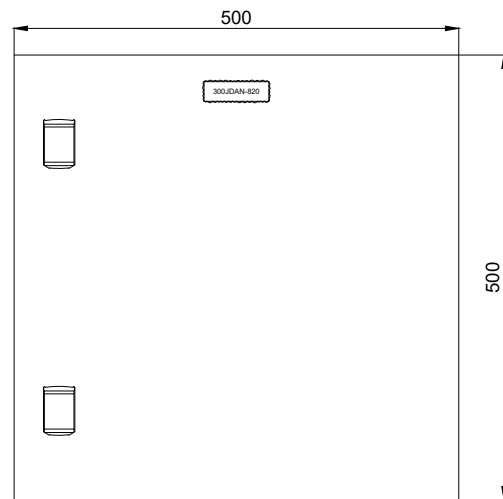
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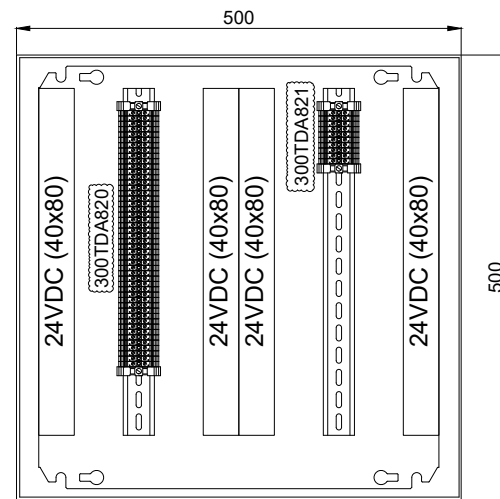
NOTES
1) Components subject to change based on availability.

300JDAN-820 Junction Box

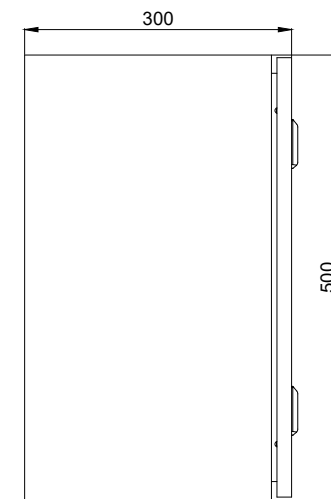
Front Side (Outside View)



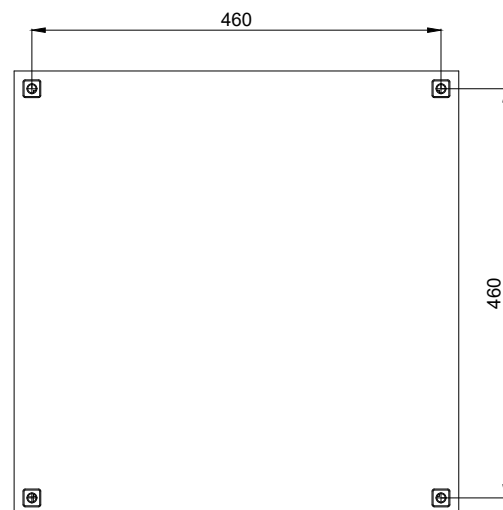
Front Side (Inside View)



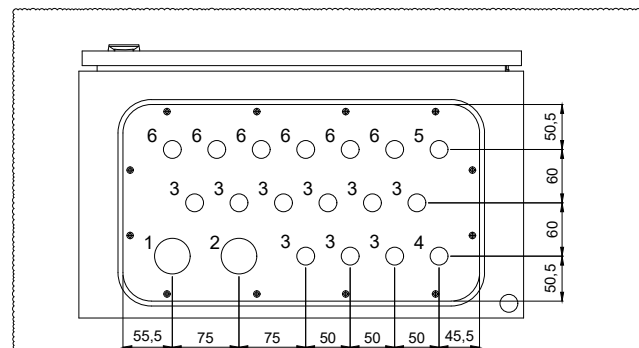
Left Side View



Back View

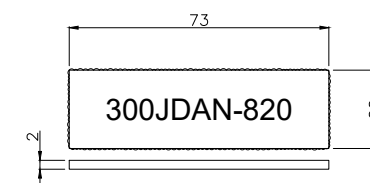


Bottom View



Gland Entry Details

1. M40 - 1x (Incoming Cable from Customer, Transmitters)
2. M40 - 1x (Spare)
3. M20 - 9x (Transmitters)
4. M20 - 1x (Breather)
5. M20 - 1x (Pressure Control Valve)
6. M20 - 6x (Spares)



- Panel thickness shall be 2 mm.
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