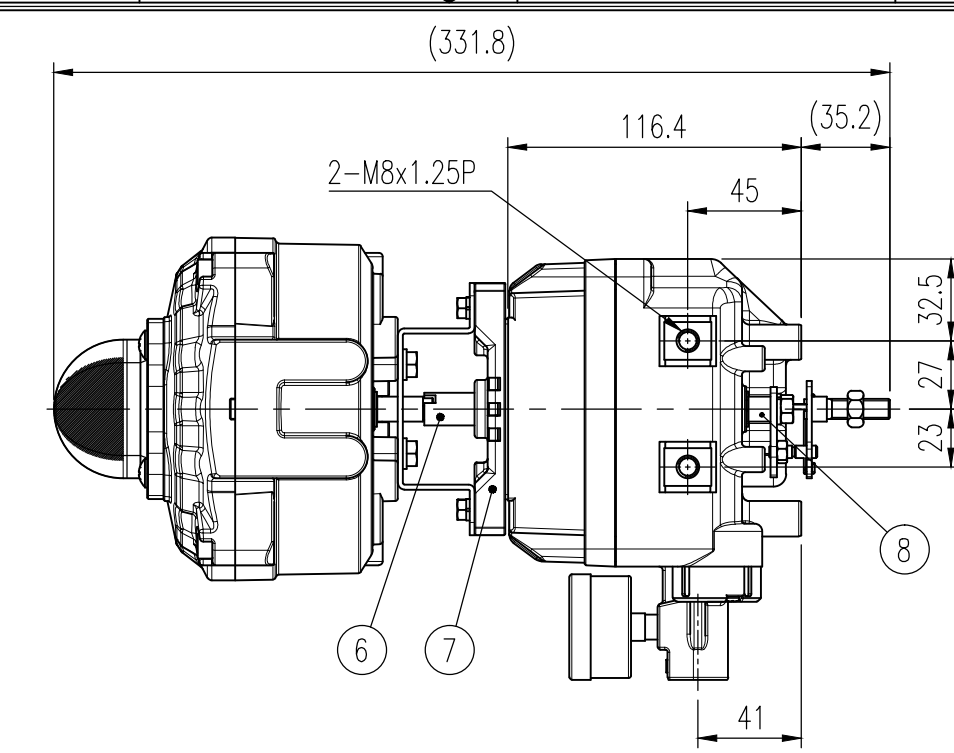
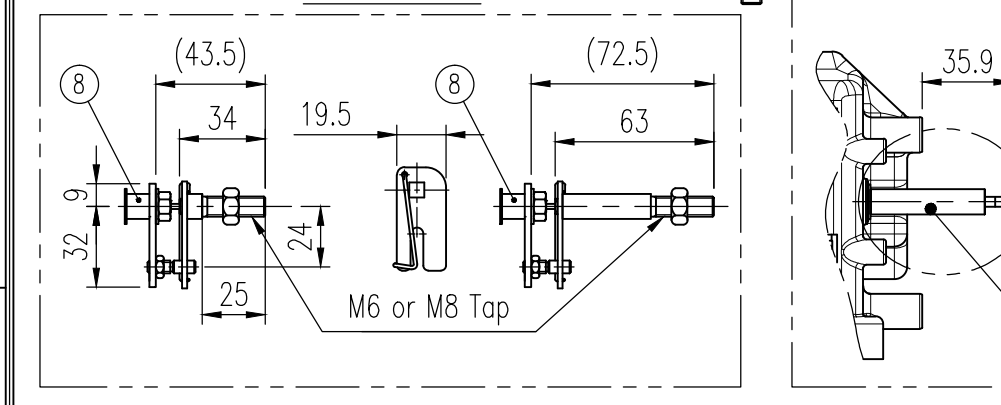
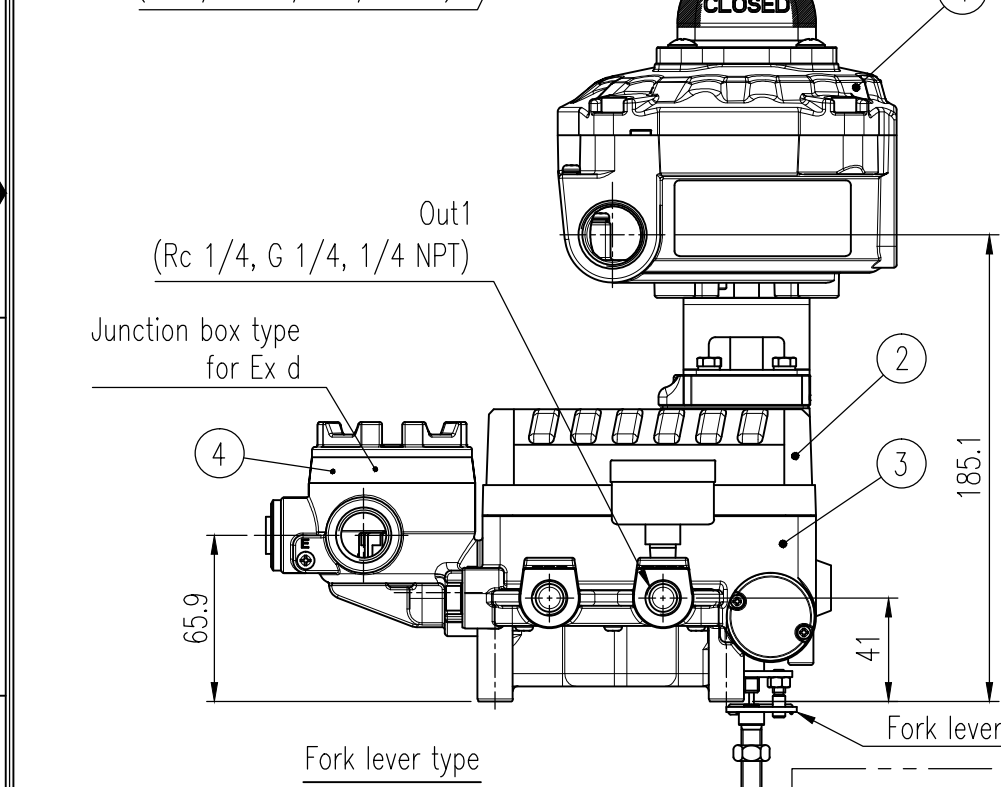
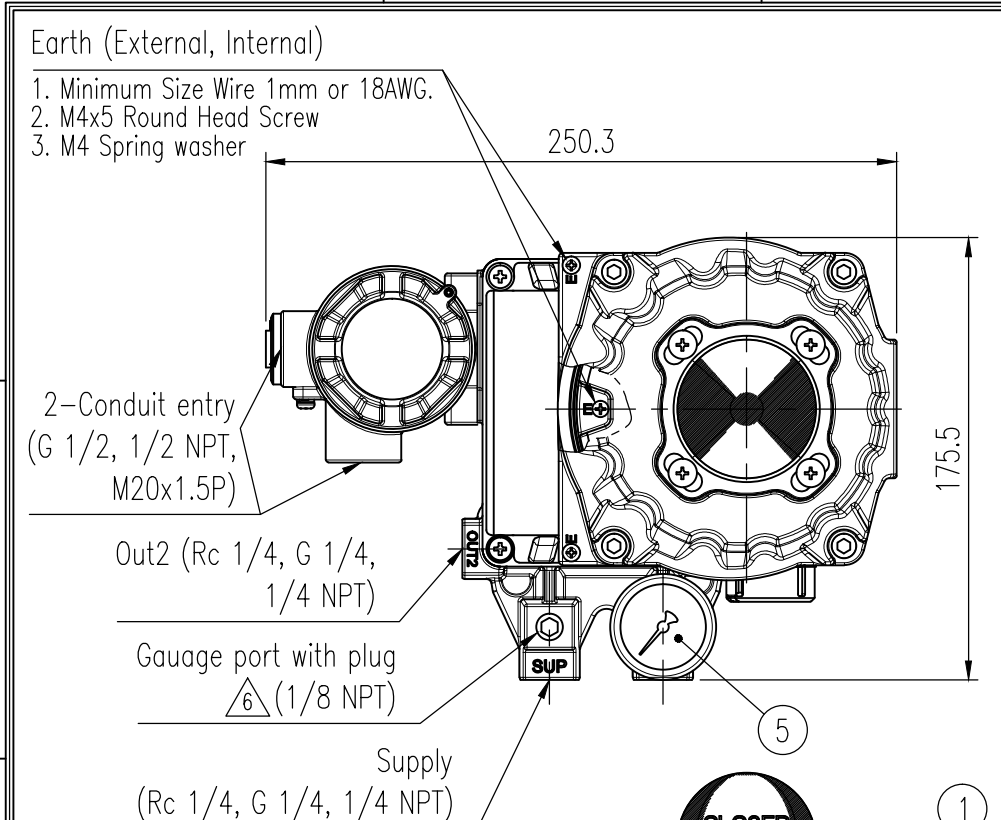
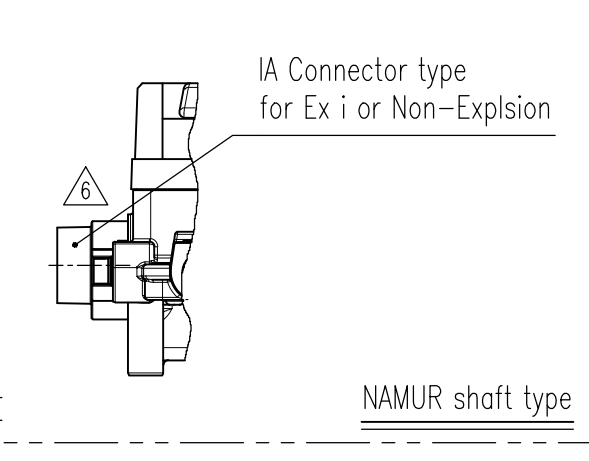
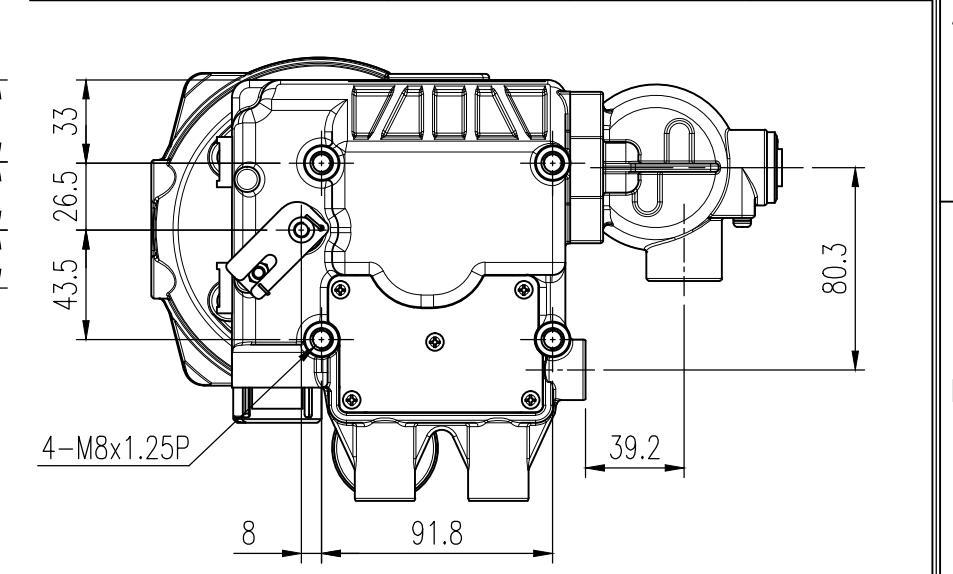




No.	Part name	Material	Q'ty	Remark
1	YT-870	-	1	
2	Base cover	ALDC12	1	
3	Base body	ALDC12	1	
4	Junction box	ALDC12	1	
5	Pressure gauge	STS304	1	1/8 NPT
6	Adapter	STS303	1	
7	Bracket block	ALDC12	1	
8	Main shaft	STS303	1	Fork lever, Namur



REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
	Previous versions omitted			
5	Company name changed	KSH/20191024	KCH/20191024	KTJ/20191024
6	Gauge threads integrated ...	KCH/20250116	JCS/20250116	KTJ/20250116



Specification {YT-870(Limit switch) External}

Model		YT-870	
Limit Switch	Switch Type	Mechanical Switch, 2 x SPDT ☐ (2 x SPDT)	Inductive Proximity Sensor ☐ x 2
		SS-5GL (OMRON)	PS17-5DNU (Autonics, NPT type)
	Switch Rating	AC 250 V 3A, 125 V 5A	-
		DC 250 V 0.2 A, 125 V 0.4 A, 30 V 4 A, 14 V 5 A, 8 V 5 A	12 to 24 V
	Terminal	8 Point	
Ingress Protection		Type 4, 4X (CSA), IP 67	
Explosion Protection		Flameproof enclosure: KCs, ATEX, IECEx, CSA, CCC Refer to certificates for details.	
Ambient Temp.		-20 to 60°C (-4 to 140°F)	
Conduit entry		G 3/4 (for CSA or CCC, 1/2 NPT)	
Housing Material		Aluminum	
Weight		1.5kg (3.3 lb)	

Specification (Positioner)

Motion Type		Rotary	
Acting Type		☐ Single	☐ Double
Input Signal		4-20 mA DC	
Impedance		Max. 250 ± 15Ω	
Supply Pressure		0.14 to 0.7 MPa (1.4 to 7 bar)	
Stroke		55 to 100°	
Conduit-Air Connection		☐ G 1/2-Rc 1/4	☐ G 1/2-1/4 NPT
		☐ G 1/2-G 1/4	☐ M20x1.5P-1/4 NPT
		☐ 1/2 NPT-1/4 NPT	
Explosion Proof		Ex d m, Ex i, Non-Explosion proof Refer to Ex certificates (KCs, ATEX, IECEx, CSA, CCC) for details	
Operating Temp.		-20°C to 70 °C (-4 to 158 °F)	
Ambient Temp. of Ex		Refer to certifications for details	
Linearity	Single	± 1.0 % F.S.	
	Double	± 2.0 % F.S.	
Hysteresis		± 1.0 % F.S.	
Sensitivity	Single	± 0.2 % F.S.	
	Double	± 0.5 % F.S.	
Repeatability		± 0.5 % F.S.	
Flow Capacity		> 80 LPM (Sup. = 0.14 MPa, 1.4 bar)	
Air Consumption		< 2.5 LPM (Sup. = 0.14 MPa, 1.4 bar)	
Ingress Protection		IP66 (excluding the pressure gauges)	
Weight		2.8 kg (6.2 lb)	
Feedback connection type		☐ M6x34L	☐ M6x63L
		☐ M8x34L	☐ M8x63L
Housing Material		Aluminum	

SURFACE TEXTURE		PRODUCT NAME		rotork Rotork YTC Limited GIMPO-SI, KOREA	
		E/P positioner			
FINISH TREATMENT		MODEL		TITLE	
		YT-1000R + YT-870(L/S)		Rotary, Explosion proof, External L/S type	
MATERIAL		PROJECTION	SCALE	DRAWING NO.	
		3rd	1 / 3		
OTHERWISE NOTE	GENERAL TOLERANCE	QUANTITY	SHEET No.	REV.	
		1	1 / 1	6 YT-1000R-13 6	

2019.01.23