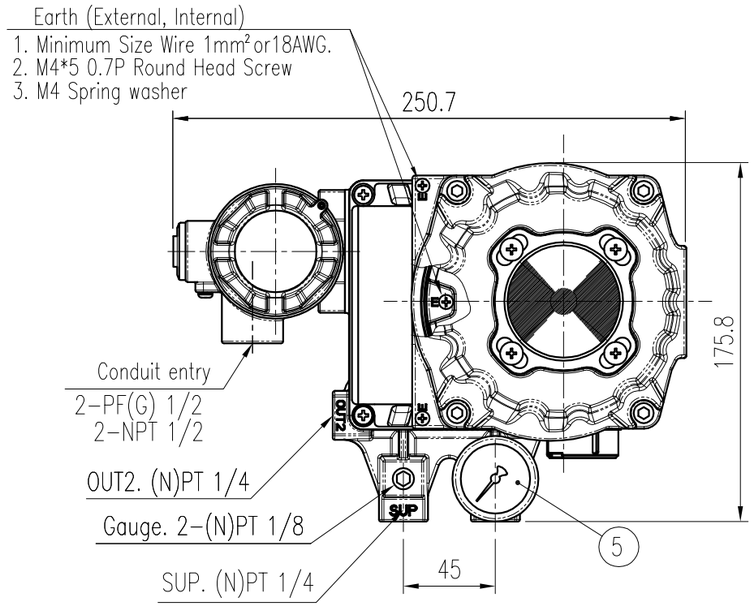
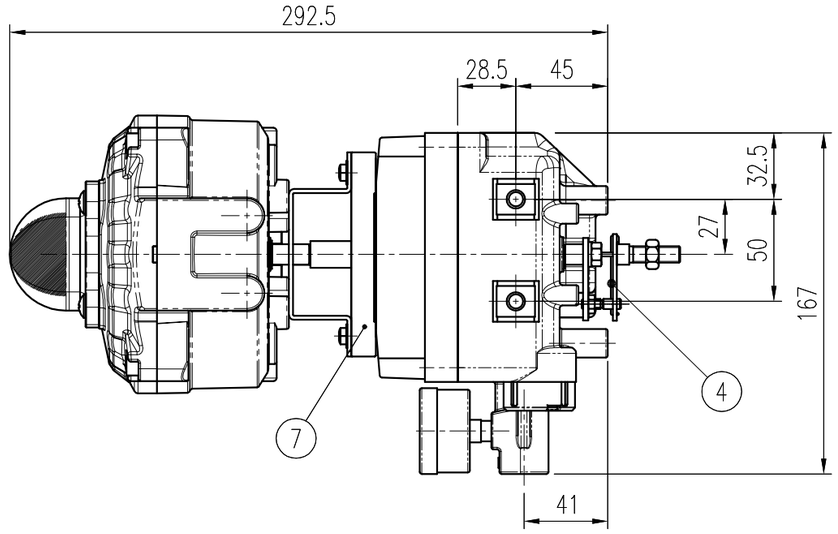
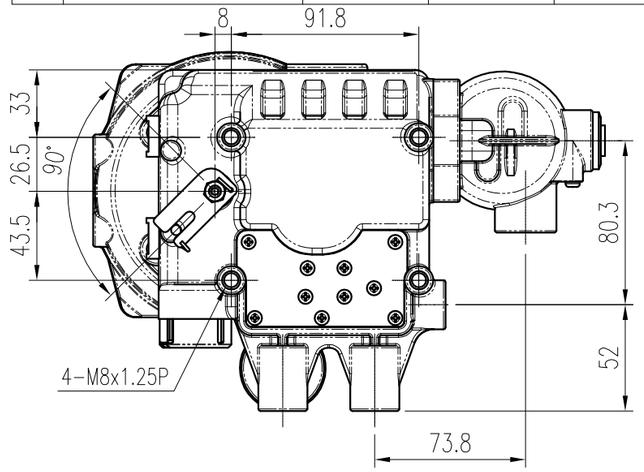
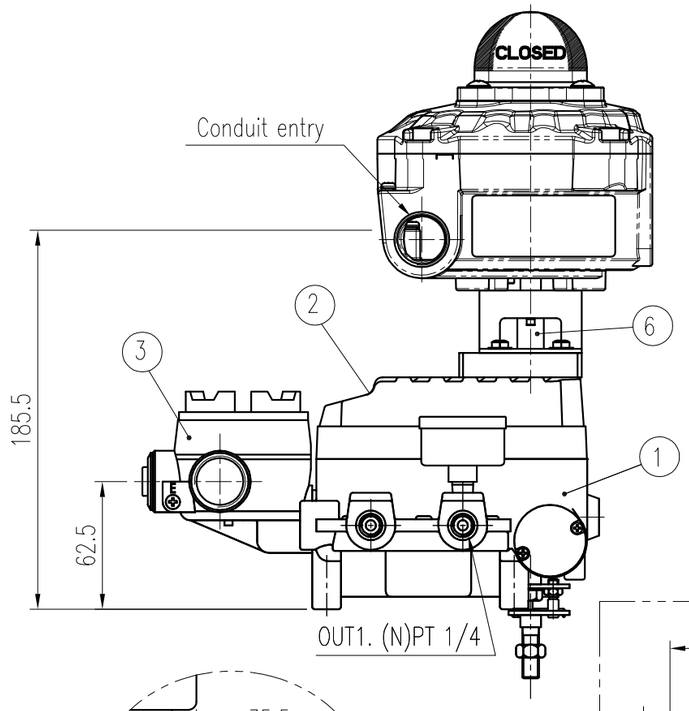
REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
0	ISSUE FOR APPROVAL	HSS/090128		LYH/090128
1	ISSUE FOR APPROVAL	MDK/110812	JCS/110812	LYH/110812
2	DRAWING ARRANGEMENT	KBJ/121112	JCS/121112	LYH/121112

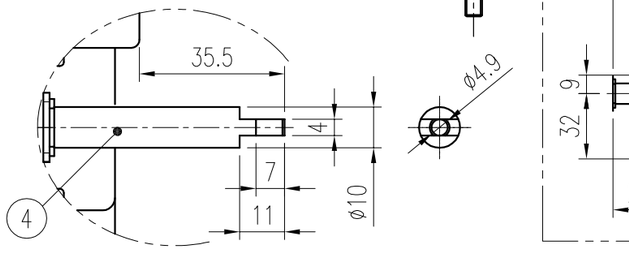




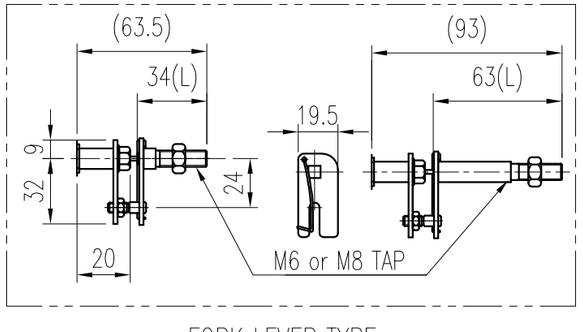




NO.	PART NAME	MATERIAL	Q'TY	REMARK
7	BRACKET BLOCK	AL	1	
6	ADAPTER	STS303	1	
5	PRESSURE GAUGE	STS 304	1	
4	CONNECT LEVER ASS'Y	STS 303, 304P	1	FORK LEVER, NAMUR
3	JUNCTION BOX	ALDC12	1	
2	BASE COVER	ALDC12	1	
1	BASE BODY	ALDC12	1	



NAMUR SHAFT TYPE



FORK LEVER TYPE

SPECIFICATIONS(YT-870)

Model			YT-870M
LIMIT SWITCH	Switch Type		Mechanical Switch(2*SPDT)
			SS5GL (Omron)
	Switch Rating	AC	250V 3A, 125V 5A
		DC	250V 0.2A, 125V 0.4A, 30VDC 4A, 14VDC 5A, 8VDC 5A
	Terminal		8 Point
PTM	Input Type		2 Wire
	Input Signal		0°~90°
	Output Signal		4 ~ 20mA DC
	Load Resistance		2 Max.880 / 28V DC
	Noise Range		50mV p.p
	Adjutment		Zero : ±10% Span:60~110%
	Linearity		±1% F.S.
	Hysteresis		±0.2% F.S.
	Sensitivity		±0.2% F.S.
	Supply Voltage		2 9 ~ 28V DC
Enclosure Protection			Weather proof. IP67
Explosion Proof			Ex d IIC T6
Ambient Temp.			-20°C ~ 80°C
Conduit Entry			2 - 1/2(NPT, PT, PF) 3/4(NPT, PT, PF), M20*1.5P
Material			Aluminum Die casting
Weight			1.5kg (3.3lb)

SPECIFICATIONS(POSITIONER)

Applicable Fluid	Air		
Acting Type	☐ Single	☐ Double	
Input Signal	4 ~ 20 mA DC		
Impedance	250±15Ω		
Supply Pressure	0.14 ~ 0.7MPa (1.4 ~ 7bar)		
Stroke	0° ~ 90°		
Air Connection	PT(NPT) 1/4		
Gauge Connection	PT(NPT) 1/8		
Conduit entry	PF 1/2 (G 1/2), NPT 1/2		
Explosion Proof	☐ Ex dm IIB T5	☐ Ex dm IIC T5	
	☐ Ex ia IIB T6	☐ Non-Explosion	
Ambient Temp Operation	-20°C ~ 70°C (-4 ~ 158°F)		
Ambient Temp Explosion	-20°C ~ 60°C (-4 ~ 140°F)		
pressure Gauge	☐ 0~0.2 MPa	☐ 0~0.4 MPa	☐ 0~1 MPa
Linearity	±1.0% F.S.	±2.0% F.S.	
Hysteresis	±1.0% F.S.		
Sensitivity	±0.2% F.S.	±0.5% F.S.	
Repeatability	±0.5% F.S.		
Air Consumption	3 LPM (Sup.=0.14MPa, 1.4bar)		
Flow Capacity	80 LPM (Sup.=0.14MPa, 1.4bar)		
Protection	IP66		
Weight	2.8kg (6.2lb)		
Actuator Shaft	☐ M6	☐ L=34	☐ NAMUR
	☐ M8	☐ L=63	
Material	ALUMINUM DIECASTING		

PROJECT NAME -

SURFACE TEXTRUE	PRODUCT NAME E/P POSITIONER with LS(EXTERNAL)	YOUNG TECH CO., LTD. SEOUL , KOREA	
FINISH TREATMENT	MODEL YT-1000R + YT-870	TITLE ELECTRO PNEUMATIC POSITIONER ASS'Y DWG with PTM&L/S(EXTERNAL)	
MATERIAL	PROJECTION 3rd	SCALE 1 / 3	
OTHERWISE NOTE / GENERAL TOLERANCE	QUANTITY 1	SHEET No. 1 / 1	DRAWING NO. YT-1000R+PTM&L/S (EXTERNAL) / REV. 2

YTC-A3