

NO.	DATE	REVISION	DESIGNED	CHECKED	APPROVED
△0	171220	RELEASED	DKMIN	-	DKMIN
△1	181029	ADD TEMPERATURE GRADE	DKMIN	-	DKMIN
△2	220221	ADAPT TO REALITY	SHYEOM	-	DKMIN

### SPECIFICATIONS

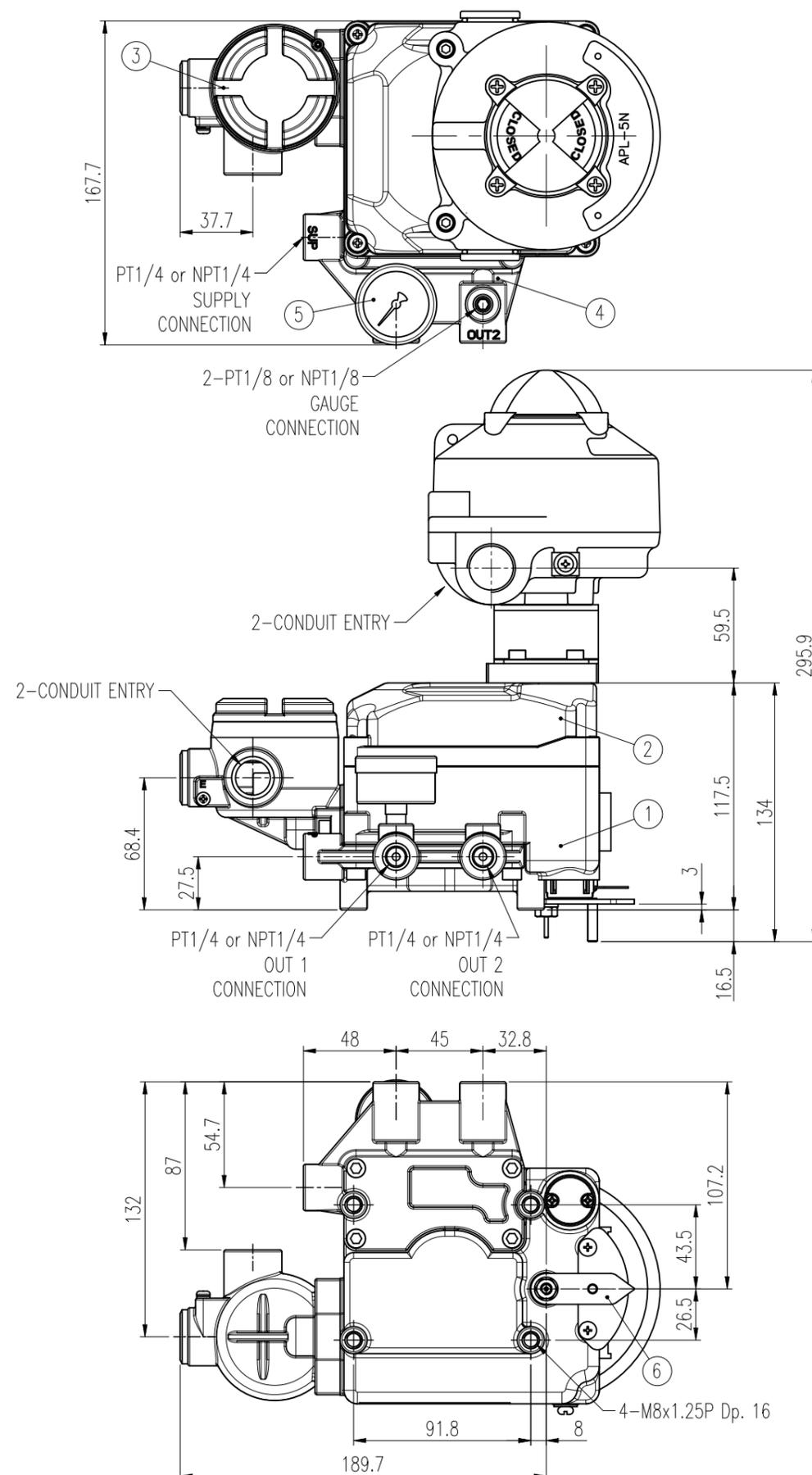
Acting Type	Single or Double	
Input Signal	4 ~ 20mA	
Impedance	250±15Ω	
Working fluid	Compressed air	
Max. working pressure	0.7 MPa	
Min. working pressure	0.14 MPa	
Air Consumption (sup=0.14MPa)	<2.5 LPM	
Flow Capacity (sup=0.14MPa)	>80LPM	
Ambient Temp.	Operating Temp.	-20°C ~ 70°C (Standard)
		-40°C ~ 70°C (Low Temp.) -63°C ~ 70°C (Ultra Low Temp.) -20°C ~ 120°C (High Temp.)
Explosion Temp.	Explosion Temp.	ATEX T5 : -40°C ~ 60°C T6 : -40°C ~ 40°C
		EAC T5 : -63°C ~ 60°C
Explosion Proof	Ex ia IIC T5/T6 Gb Ex db mb IIB T5/T6 Gb Ex db mb IIC T5/T6 Gb	
Protection	IP66	
Air Connection	PT1/4 or NPT1/4	
Gauge Connection	PT1/8 or NPT1/8	
Conduit entry	G(PF)1/2 or NPT1/2 or M20	
Pressure Gauge	Ø42, Max. 0.8MPa	
Stroke	0 ~ 90°	
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.	
Housing Material	Aluminum die-cast	
Weight	2.8kg	

### PART LIST

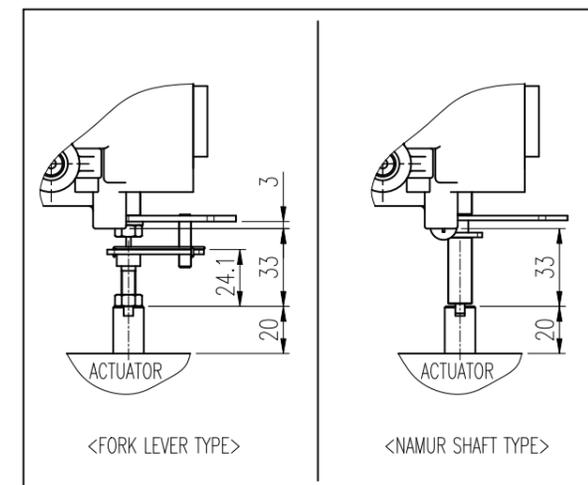
6	FEEDBACK LEVER	STS304	1
5	PRESSURE GAUGE	STS304	1
4	BLOCK GAUGE	ALDC12	1
3	JUNCTION BOX	ALDC12	1
2	COVER BASE	ALDC12	1
1	BODY BASE	ALDC12	1
NO.	PART NAME	MATERIAL	Q'TY

SURFACE TEXTURE	/	WEIGHT	g	PROJECT	-
FINISH		SHEET No.	1 / 1	PRODUCT NAME	ELECTRO-PNEUMATIC POSITIONER
MATERIAL		UNIT	mm	MODEL	TS600
QUANTITY		SCALE	1 / 3	TITLE	TS600R APL5 (EXTERNAL)
OTHERWISE NOTE		PROJECTION	3RD ANGLE	DWG. NO.	TS600 EP 02 A4
GENERAL DIM		DWG SIZE	A3	REV.	2

TISSIN Co., Ltd.



### FEEDBACK LEVER



### SPECIFICATIONS (Limit Switch Box)

Model	APL-5... or ITS300
Protection	IP67
Ambient Temperature	-20°C ~ 60°C
Conduit entry	NPT 3/4"
Travel Angle	90 degree +/- 10%
Position Indicator	Open : Yellow, Close : Red
Mechanical Switch	SZM-V16-5FA-61 (Wonwoo Starion) 16A 1/2HP 125/250Vac, 0.6A 125Vdc, 0.3A 250Vdc, 5A 125Vac
Proximity sensor	NJ2-V3-N (PEPPERL+FUCHS) : 5~25Vdc , 15mA max. PS17-5DNU(Autonics) : 12~24Vdc, 0.2mA max. MS-B 301 : 250Vdc 3.0A max.
Explosion Proof	Ex d IIC T6 Gb
Terminal Strip	8 point
Housing Material	Aluminum die-cast

### TRANS MITTER

Power Supply Range	12.5 ~ 37VDC (24V typical)
Current Signal Output	4 ~ 20 mA
Max. Load Resistance	Max. Resistance (Ω) = (Supply voltage-12.5) / 0.02
Potentiometer	0~500Ω / 10kΩ
Operating Temperature	-20 ~ 60°C