## AJ3 Series Universal Metal Button Switch

### ■ AJ3 Series technical parameter

	Performance parameter
Contact materia	AgSnO2
Contact Resistance(Initial value)	≤50mΩ
Insulation impedance	≥100MΩ (500VDC)
Withstand voltage	Between different pole contacts: 2000VAC 50Hz for 1 minute; Between contacts that are disconnected at the same pole: 1000VAC 50Hz for 1 minute; Between contacts and lamp terminals: 1000VAC 50Hz for 1 minute;
Degree of Protection	Indicator light and button: IP65 (in front of the panel); Selection and emergency stop: IP40 (in front of the panel); Key: IP20 (front of panel)
Action stroke	Connect approximately 1.5mm, with a total travel distance of approximately 3.5mm
Operating pressure	3~5N
Installation panel thickness	0.5~4mm
Nut torque	2~6N.m
Operating temperature	-25 °C~55 °C (without icing)
Working humidity	45%~85% (without condensation)
Mechanical Life	Self recovery: 1 million times; Self locking type: 100000 times; Selection and key: 250000 times
Electrical Life	100000 times
Vibration Resistance	10~55Hz, amplitude 1.2mm
Soldering Temperature	320°C±5°C 3S

LED lighting									
Lamp Type	Unidirectional LED light beads (need to distinguish positive and negative poles)								
Rated Voltage	A:6VDC、B:12VDC、C:24VDC、D:110VAC、E:220VAC								
Rated Current	Below 24V: approximately 15mA; Above 110V: approximately 8mA								
Colour and number	R:Red、G:Green、B:Blue、W:White、Y:Yellow、O:orange								
Life	40000H (reference value)								
Depressurization method	Built-in resistor								

	Contact Ratings										
Rated insulation voltage 250VAC											
Heating co	urrent lth	5A Temperature does not exceed the maximum allowed current									
Rated v	oltage	24VAC	110VAC	220VAC							
Data da	AC-15	3.0A	1.0A	0.5A							
Rated current	DC-13	0.7A	0.2A	0.1A							

 $<sup>\</sup>label{eq:policy} \mbox{$\times$ Applicable load (reference value)=5VAC/DC 5mA (usable range depends on usage conditions and load type) }$ 

	Terminal style													
Terminal arrangement	Indicator	SPDT (Without LED)	DPDT (Without LED)	SPDT (With LED)	DPDT (With LED)	Buzzer								
Wiring diagram	Lamp terminal (-)	100 mg	1 D D D D D D D D D D D D D D D D D D D	Lamp terminal (-)	Lamp terminal (+)	X1 X2 U								

Select the key handle position												
Operating posit	ion specifications	Contact	Γ,	<b>↑</b>	7							
L _ /R	L > >R	SPDT	NO NC	_	NO NC							
		DPDT	NO NC NO NC	_	NO NC NO NC							
L C R	L C R	DPDT	NO NC NO NC	_	NO NC NO NC							

## AJ3 Indicator ligh











series Install size
Universal Metal 8:8mm
12:12mm
16:16mm
19:19mm
22:22mm
28:28mm
30:30mm

Classification
1:Indicator
1:I

### ■ Specification

Appearance	Kenel	Lampshade shape	Installation method	Model	Color	Voltage	Dimensions
	Flat head type/ Φ 8mm	Plane	Lead type	AJ308-1TP□▲L			160 
THE PARTY OF THE P	Flat head type/ Φ 8mm	Sphere	Lead type	AJ308-1TA□▲L			<u>Ø9.8</u> <u>Ø5.5</u>
	Arc-shaped head shape/ Φ 8mm	Plane	Lead type	AJ308-1YP□▲L			
	Arc-shaped head shape/ Φ 8mm	Sphere	Lead type	AJ308-1YA□▲L			25.3
	Flat head type /Ф12mm	Plane	Lead type	AJ312-1TP□▲L			
	Flat head type /Ф12mm	Sphere	Lead type	AJ312-1TA□▲L			23 19
	Flat head type /Ф12mm	Plane	Welded type	AJ312-1TP□▲P			Ø17
	Concave head /Φ12mm	Plane	Welded type	AJ312-1CP□ ▲ P			
	Flat head type /Ф12mm	Plane	Screw type	AJ312-1TP□▲S			09/ 10Max
	Concave head /Φ12mm	Plane	Screw type	AJ312-1CP□▲S			41-100-00
	Flat head type /Ф12mm	Plane	Welded type	AJ316-1TP□ <b>▲</b> P			26
	Concave head /Φ16 mm	Plane	Welded type	AJ316-1CP□▲P	Please code with the following	Please code with the following	09.5
	Flat head type /Ф12mm	Plane	Screw type	AJ316-1TP□▲S	colorsReplace the "□" in	colorsReplace the "A" in the model  A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC	
	Concave head /Φ16 mm	Plane	Screw type	AJ316-1CP□▲S	the model		10Max
	Flat head /Φ19mm	Plane	Welded type	AJ319-1TP□ <b>▲</b> P	R: red● G: green●		26 2 <b>4</b>
	High head /Φ19mm	Plane	Welded type	AJ319-1DP□▲P	B: blue		
	Flat head /Φ19mm	Plane	Screw type	AJ319-1TP□▲S	W: white○ Y: yellow●		Ø14
	High head /Φ19mm	Plane	Screw type	AJ319-1DP□▲S	A: orange		10Max
	Flat head type /Φ22mm	Plane	Welded type	AJ322-1TP□▲P			26 2g
	Concave head /Φ22mm	Plane	Welded type	AJ322-1CP□▲P			014
	Flat head type /Ф22mm	Plane	Screw type	AJ322-1TP□▲S			
	Concave head /Φ22mm	Plane	Screw type	AJ322-1CP□▲S			10Max
	Flat head type /Φ28mm	Plane	Welded type	AJ328-1TP□▲P			033
	Concave head /Φ28mm	Plane	Welded type	AJ328-1CP□▲P			
	Flat head type /Ф28mm	Plane	Screw type	AJ328-1TP□▲S			Ø13
	Concave head /Φ28mm	Plane	Screw type	AJ328-1CP□▲S			10Max 28.1
	Flat head type /Ф30mm	Plane	Welded type	AJ330-1TP□▲P			2.5
	Concave head /Ф30mm	Plane	Welded type	AJ330-1CP□▲P			
	Flat head type /Φ30mm	Plane	Screw type	AJ330-1TP□▲S			
	Concave head /Φ30mm	Plane	Screw type	AJ330-1CP□▲S			10Max 28.1

<sup>\*\*</sup> ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.

## AJ3 Button switch

# Category Form Form Function Color Contact type Voltage 2: button switch Charles headings State Selection (Color Selection Sele series Install size All-purpose 16:16mm metal 19:19mm 22:22mm

#### ■ Specification(AJ316 Series)

Appearance	Shape of top	Operation	Contact type	Model	Color	Voltage	Dimensions
		Monentary	1N0+1NC	AJ316-2T1N12			41
	Flat head type	Monentary	2N0+2NC	AJ316-2T1N34			20
	Ф16mm	Maintained	1N0+1NC	AJ316-2T2N12			Ø17.8 M1
		Maintained	2N0+2NC	AJ316-2T2N34			19
		Monentary	1N0+1NC	AJ316-2D1N12			32.8
	High head type Φ16mm	Monentary	2N0+2NC	AJ316-2D1N34			20
	Ψισιπιπ	Maintained	1N0+1NC	AJ316-2D2N12			011.7 M1
		Maintained	2N0+2NC	AJ316-2D2N34			Ø17.8
		Managhan	1N0+1NC	AJ316-2Y1N12			19 14
	Arc head	Monentary	2N0+2NC	AJ316-2Y1N34			011.6
	Ф16mm	Maintained	1N0+1NC	AJ316-2Y2N12			
		Maintained	2N0+2NC	AJ316-2Y2N34			h 30 1831
96		Managham	1N0+1NC	AJ316-2P1□12▲	Please code with	Please code with	41
	Flat head type with lamp	Monentary	2N0+2NC	AJ316-2P1□34▲	the following colorsReplace	the following colorsReplace	210
	Ф16mm	Maintained	1N0+1NC	AJ316-2P2□12▲	the "□" in the model	the "▲" in the model	Ø17.8
		Maintained	2N0+2NC	AJ316-2P2□34▲	R: red●	A: 6VDC	19 19
10		Monentary	1N0+1NC	AJ316-2G1□12▲	G: green● B: blue●	B: 12VDC	41 32.8 20
	High head	Monentary	2N0+2NC	AJ316-2G1□34▲	W: white Y: yellow A: orange	C: 24VDC D: 110VAC	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
	with lamp Φ16mm		1N0+1NC	AJ316-2G2□12▲		E: 220VAC	M1
		Maintained	2N0+2NC	AJ316-2G2□34▲			Ø17.8

<sup>\*</sup> ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲"

Appearance	Gear	Illuminated type	Type of action	Contact type	Model	Color	Voltage	Dimensions				
			Monentary	1N0+1NC	AJ316-3X1N12							
			,	2N0+2NC	AJ316-3X1N34							
		Without LED		1N0+1NC	AJ316-3X2N12	1		18.8				
	Second gear		Maintained	2N0+2NC	AJ316-3X2N34	-		<b>21</b>				
	nd ge		Managhama	1N0+1NC	AJ316-3Y1□12▲							
	의 의		Monentary	2N0+2NC	AJ316-3Y1□34▲	Please code with the following	Please code with the following	[5]5]				
		With LED		1N0+1NC	AJ316-3Y2□12▲	colorsReplace the "□" in	colorsReplace the "▲" in	4 31.7				
			Maintained	2N0+2NC	AJ316-3Y2□34▲	the model	the model	11.7 6.7 2.7				
		Without LED	Monentary	1N0+1NC	AJ316-3W1N12	R: red G: green G: B: blue W: white Y: yellow	A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC	ω <u>γ</u>				
elector switch Φ16mm	Third		Maintained	2N0+2NC	AJ316-3W2N34			10 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×				
ΨΙσιπιπ	d gear	With LED -	Monentary	1N0+1NC	AJ316-3Z1□12▲							
	~		Maintained	2N0+2NC	AJ316-3Z2□34▲	A: orange						
	S		Monentary	1N0+1NC	AJ316-4X1N12			5.5				
	Second						Monentary	2N0+2NC	AJ316-4X1N34			s - <b>6</b>
	d gear	Without LED	) Maintained -	1N0+1NC	AJ316-4X2N12	Ī		Ø17				
		Without LED		2N0+2NC	AJ316-4X2N34							
Key switch	Third gear		Monentary	1N0+1NC	AJ316-4W1N12							
Ф16mm	gear		Monentary	2N0+2NC	AJ316-4W1N34			22.4 39.3				
								47.65 39.35 19.15 1.1				
		\\\/:+b + 1 55										
		─   Without LED	Maintained	1N0+1NC	AJ316-5N2R12							
Emergency stop button Φ16mm					Maintained	2N0+2NC	AJ316-5N2R34	1				

Dimensions

### ■ Specification(AJ319 Series)

Appearance

Shape of top

Operation

Contact type

Model

Color

Voltage

Appearance	Jilo	ape or top	Operation	Contact type	Model	COIOI	voitage	Dilliensions						
			Monentary	1N0+1NC	AJ319-2T1N12			22 40.5						
		head type	T Tollorically	2N0+2NC	AJ319-2T1N34			Ø15.5 + Z						
		Þ19mm	Maintained	1N0+1NC	AJ319-2T2N12			Ø21.8 M19X1						
			Mantanea	2N0+2NC	AJ319-2T2N34			, , , , , , , , , , , , , , , , , , , ,						
			Monentary	1N0+1NC	AJ319-2D1N12			22 40.5						
		n head type D19mm	rionentary	2N0+2NC	AJ319-2D1N34			Ø15.5						
			Maintained	1N0+1NC	AJ319-2D2N12			Ø21.8						
			Maintaineu	2N0+2NC	AJ319-2D2N34			1.7 M19X1						
			Monentary	1N0+1NC	AJ319-2P1□12▲			22 40.5						
		head with	, ronomary	2N0+2NC	AJ319-2P1□34▲	]		Ø15.5 - <del>2</del>						
	ligh	nt Φ19mm	Maintained	1N0+1NC	AJ319-2P2□12▲	Please code with the following	the following	25.2 Ø21.8						
			Maintained	2N0+2NC	AJ319-2P2□34▲	colorsReplace the "□" in the model	colorsReplace the "A" in	M19X1						
			Monentary	1N0+1NC	AJ319-2G1□12▲	R: red	the model	1.7						
		n head with p Φ19mm	. ionemaly	2N0+2NC	AJ319-2G1□34▲	G: green●	A: 6VDC B: 12VDC	Ø11.8 21.8 21.8						
	lain	ιρ <b>Φ</b> 17/111111	Maintained	1N0+1NC	AJ319-2G2□12▲	B: blue● W: white○	C: 24VDC	Ø15.5 2 07.0						
			Maintained	2N0+2NC	AJ319-2G2□34▲	Y: yellow	D: 110VAC E: 220VAC	27.8						
				1N0+1NC	AJ319-2B1□12▲	A: orange	E. 220VAC	40						
	High	High head with light Φ19mm	Monentary	2N0+2NC	AJ319-2B1□34▲			015.5						
	ligh			1N0+1NC	AJ319-2B2□12▲			25-2 Ø21.8						
			Maintained	2N0+2NC	AJ319-2B2□34▲			26.5 M19X						
Appearance	Gear positio	<sub>n</sub> Illuminated ty	peType of action	Contact type	Model	Color	Voltage	Dimensions						
				Manager	1N0+1NC	AJ319-3X1N12								
		Without LED		Monentary	2N0+2NC	AJ319-3X1N34			40.0					
		Without LE		1N0+1NC	AJ319-3X2N12			18.8						
	Sec		Maintained	2N0+2NC	AJ319-3X2N34			<u>Ø12.7</u>						
	Second gear	With LED	.				1N0+1NC	AJ319-3Y1□12▲	Please code with		5 5			
	ear					·		With LED	Monentary	2N0+2NC	AJ319-3Y1□34▲	Please code with the following colorsReplace	the following	ر الكيليكيا
								1N0+1NC	AJ319-3Y2□12▲	the "□" in the model	colorsReplace the "A" in the model	31.7 11.7		
				Maintained	2N0+2NC	AJ319-3Y2□34▲	R: red●	A: 6VDC	6.7 2.7					
Selector switch		MCIL I F	Monentary	1N0+1NC	AJ319-3W1N12	G: green● B: blue●	B: 12VDC	M178						
Φ19mm	Third	Without LE	Maintained	2N0+2NC	AJ319-3W2N34	W: white	C: 24VDC							
	d gear	With LED	Monentary	1N0+1NC	AJ319-3Z1□12▲	Y: yellow	D: 110VAC E: 220VAC							
	,	With LED	Maintained	2N0+2NC	AJ319-3Z2□34▲	A: orange								
				1N0+1NC	AJ319-4X1N12			55 _ 18.8						
	Second		Monentary	2N0+2NC	AJ319-4X1N34			Ø15.4						
	nd gear			1N0+1NC	AJ319-4X2N12			Ø17.8						
	-	Without LE	D Maintained	2N0+2NC	AJ319-4X2N34									
Key switch	Thirc			1N0+1NC	AJ319-4W1N12									
Φ19mm	Third gear		Monentary	2N0+2NC	AJ319-4W1N34			22.4 31 39.3						
								024.2						
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Monentary											
		Without LE		1N0+1NC	AJ319-5N2R12			17.7						
Stop the mushroom head Φ19mm				Maintained	2N0+2NC	AJ319-5N2R34			32.5 45.6					
nead (I) I ymm			and the second s			I.	I .							

### AJ3 Button switch

### ■ Specification(AJ322 Series)

Appearance	Type/size	Operation	Contact type	Model	Color	Voltage	Dimensions	
		Monentary	1N0+1NC	AJ322-2T1N12			39.55	
	Flat head type	Honemary	2N0+2NC	AJ322-2T1N34			Ø17.8	
	Ф22mm	Maintained	1N0+1NC	AJ322-2T2N12	-		28.7	
		Maintained	2N0+2NC	AJ322-2T2N34				
		Monentary	1N0+1NC	AJ322-2Y1N12			2 39.55	
	Arc type	Monentary	2N0+2NC	AJ322-2Y1N34			Ø17.8	
	Ф22mm	Maintainad	1N0+1NC	AJ322-2Y2N12				
		Maintained	2N0+2NC	AJ322-2Y2N34				
		Monentary	1N0+1NC	AJ322-2P1□12▲	Please code with	the following colorsReplace	3 39.55	
	Flat head with	Monentary	2N0+2NC	AJ322-2P1□34▲	the following colorsReplace the "□" in		2.5	
	light Φ22mm		1N0+1NC	AJ322-2P2□12▲	the model	the "▲" in the model	Ø17.8	
		Maintained	2N0+2NC	AJ322-2P2□34▲	R: red● G: green●	A: 6VDC	Ø15.8	
h		Monentary	1N0+1NC	AJ322-2G1□12▲	B: blue	B: 12VDC C: 24VDC	39.55	
	High head with	1-ionentary	2N0+2NC	AJ322-2G1□34▲	W: white O	D: 110VAC	25 22 12.5	
	light Φ22mm	Maintained	1N0+1NC	AJ322-2G2□12▲	Y: yellow A: orange	E: 220VAC		
		Maintained	2N0+2NC	AJ322-2G2□34▲			Ø17.8 Ø15.8	

<sup>\*</sup> ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.

Appearance	Gear position	Illuminated type	Type of action	Contact type	Model	Color	Voltage	Dimensions		
			Marrielan	1N0+1NC	AJ322-3X1N12			_12.3_		
		Without LED	Monentary	2N0+2NC	AJ322-3X1N34			Ø15.3		
		Without LEL		1N0+1NC	AJ322-3X2N12					
	Secor		Maintained	2N0+2NC	AJ322-3X2N34			□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		
	Second gear		Manantani	1N0+1NC	AJ322-3Y1□12▲	Please code with	Please code with	24.85		
	=	With LED	Monentary	2N0+2NC	AJ322-3Y1□34▲	colorsReplace	colorsReplace	76 Ammunu		
Comment of the second		WIGH EED		1N0+1NC	AJ322-3Y2□12▲	the model	the model	1 2 2 9 5 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		
			Maintained	2N0+2NC	AJ322-3Y2□34▲	R: red● G: green●	A: 6VDC	<u>Β</u> Ε Ο Σ		
Selector switch		Without LED	Monentary	1N0+1NC	AJ322-3W1N12	B: blue	B: 12VDC C: 24VDC	2 24.7		
Φ22mm	Third	Third	Maintained	2N0+2NC	AJ322-3W2N34	W: white○ Y: yellow●	D: 110VAC			
	gear	With LED	Monentary	1N0+1NC	AJ322-3Z1□12▲	A: orange	E: 220VAC			
			Maintained	2N0+2NC	AJ322-3Z2□34▲					
	က္ခ			1N0+1NC	AJ322-4X1N12			5.5		
	Second gear		Monentary	2N0+2NC	AJ322-4X1N34	_				
	gear	14/71		1N0+1NC	AJ322-4X2N12	-		39.5		
		Without LED	Maintained	2N0+2NC	AJ322-4X2N34			22.3 25.9		
Key switch	Third		Monentary	1N0+1NC	AJ322-4W1N12					
Φ22mm	gear		Monentary	2N0+2NC	AJ322-4W1N34					
			Maintained	1N0+1NC	AJ322-5Y2R12			18		
Emergency stop arc head Φ22mm						2N0+2NC	AJ322-5Y2R34			38 51.4

<sup>\*\*</sup> ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.