

ASJ Series Residual Current Relay

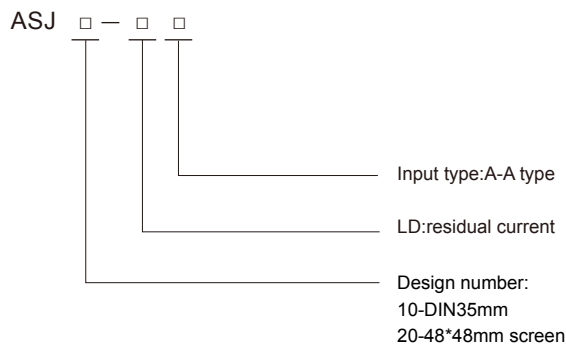
ASJ10-LD1A&ASJ20-LD1A



General

ASJ series residual current relay can be made up for combined residual current production device, which is mainly applied for the TT and TN system distributing circuit with the alternating current 50Hz, the rated voltage 400V or below.

Model Description



Technical parameter

Technical Parameter		Value
Input	Rated residual operated current $I_{\Delta n}$	0.03,0.05,0.1,0.3,0.5,1,3,5,10,30(A)
	Limitation non-driving time	0,0.06,0.1,0.2,0.3,0.5,0.8,1.4,10(S)
	Rated non-action residual current	$50\%I_{\Delta n}$
	Frequency	50Hz \pm 5Hz
Tripping accuracy		-20% ~ -10% $I_{\Delta n}$
Output	Output mode	1 normal changeover contact
	Contact capacity	AL1:8A 250VAC 5A 30VDC AL2:6A 250VAC 5A 30VDC
	Reset mode	Local,remote,automatic

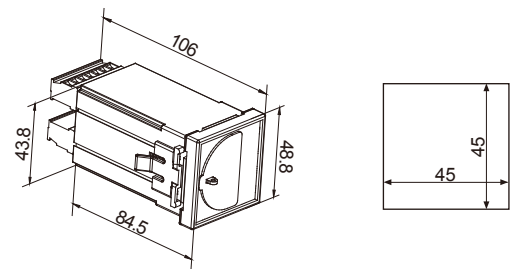
Technical Parameter		Value
Auxiliary power supply	Voltage range	AC/DC85~270V
	Power consumption	\leq 5W
Power frequency withstand voltage		The effective value of alternating current between the power supply, input and output: 2kV/1min
Environment	Temperature	operation: -20 $^{\circ}$ C ~ +55 $^{\circ}$ C storage: -30 $^{\circ}$ C ~ +70 $^{\circ}$ C
	Humidity	\leq 95%RH(no condensation)
	Height above sea level	\leq 2000m

Dimension

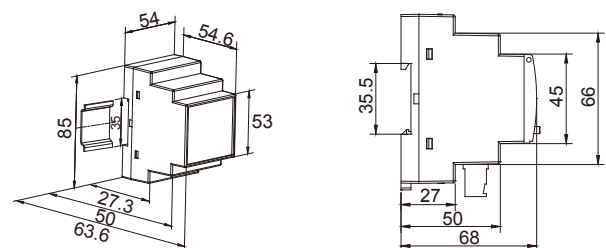
Please refer to the table 1 and the picture 1 and 2

Table 1

Type	Panel Size (mm)	Shell Size (mm)	Cut-out(mm)
ASJ20-LD1A	48*48 (width by height)	43.8*43.8*100 (width by height by depth)	45*45 (width by height)
ASJ10-LD1A	85*54*64 (length by width by height)		



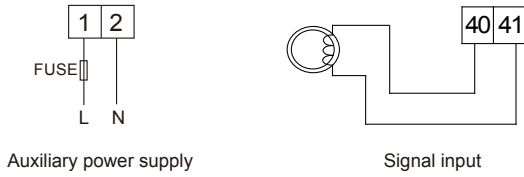
Picture 1 ASJ20-LD1A the appearance and cut-out



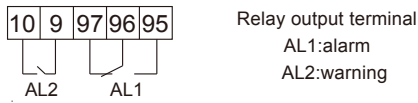
Picture 2 ASJ10-LD1A appearance and cut-out of installment

Wiring

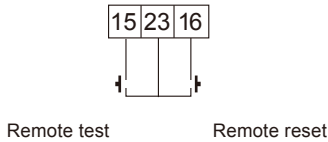
Auxiliary power supply and signal input



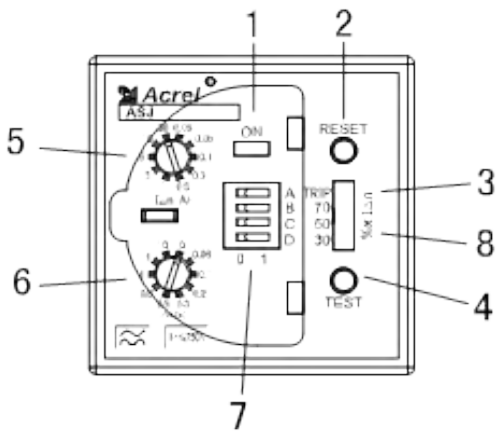
Relay output



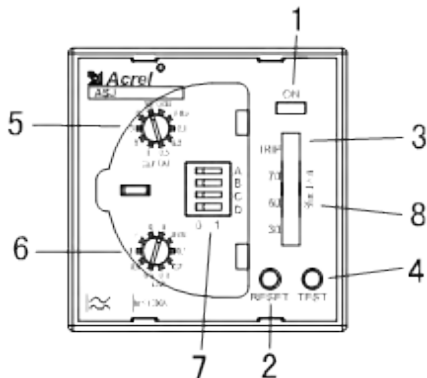
Additional functions



Operating Guide



ASJ20-LD1A



ASJ10-LD1A

NO.	Name	Functional Specification																																																				
1	Power light	The power light will be shined when the working power supply is normal.																																																				
2	Restoration button	The system will be restored after pressing the button																																																				
3	Alarm light	When the current lives up to the rated residual action current, the alarm light will be open																																																				
4	Testing button	Please test whether the indicator light is normal, and the relay can work well.																																																				
5	The setting switch of residual action current	The switch provides ten kinds of settings of residual action current																																																				
6	The setting switch of non-driving time of limitation	The switch provides ten kinds of settings of non-driving time of limitation																																																				
7	Dial-up	<table border="1"> <tr> <td colspan="2">The location of dial-up</td> <td>Relay AL2</td> <td>Relay AL1</td> <td rowspan="6">The left picture is the junction in the normal operation</td> </tr> <tr> <td>A</td> <td>B</td> <td>10</td> <td>9</td> <td>97</td> <td>96</td> <td>95</td> </tr> <tr> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td colspan="5">0: manual reset ; 1: automatic reset</td> </tr> <tr> <td>D</td> <td colspan="5">Standby application</td> </tr> </table>	The location of dial-up		Relay AL2	Relay AL1	The left picture is the junction in the normal operation	A	B	10	9	97	96	95	0	0						0	1						1	0						1	1						C	0: manual reset ; 1: automatic reset					D	Standby application				
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8	Indicator light with streamer	The combination of three green LED is applied, which shows the percentage of current, the alarm will be indicated when the LED shines over 50%																																																				