

Note: 101-106 for switching power supply input and output terminals

201-206 for switch control terminals

301-306 for the switch status indication terminal

1 Qf primarily circuit (mains) protection switch alarm contacts

1 Kt for power on delay (0-180s), 2 kt for power off delay (0-180s)

3.1 switch wiring instructions (see 2.2 switch structure)

- 3.1. 1 switch from left to right, I copper busbar connect with A, B, C, N of Commonly used power(in the front) and II connect with standby power(at the back).
- 3.1. 2 control power is taken from C of commonly used power and N of stand by Power
- 3.1. 3 .control power AC220V of line I connect to terminal 102~103,control power AC220V of line II connect to terminal 104~105. 102 is fire wire for commonly used power and 104 is fire wire for standby power.
- 3.1. 4 terminal 101,106, just as a light control power, of which 106 is fire wire. Note that 101, 106 can not connected to any other lines!.
- 3.1. 5 When the top(bottom) of line I inset wire, A,B,C,N at the bottom (top) use connection of copper busbar to output it. And line II use wires.

4.1 common problems and solutions.

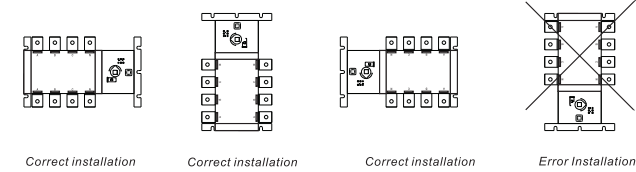
	Problems	Reasons	Solutions
1	Power on, ATS does not work	1. Whether the button pressed on the automatic position	Choose the automatic position
		2. Whether working power of the switch is connected	Access to the control power correctly
		3. 2. If connection mode of terminal 2 is correct	Access to signal control line correctly
		4. The fuse is damaged	Replacing the fuse
2	Power on, circuit board burned	check line 101-106 to make sure it is normal	Replace the circuit board

2.3 Terminal function

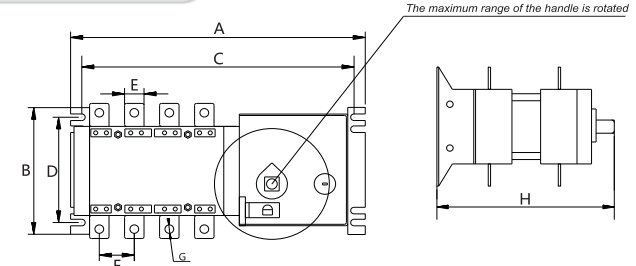
Terminal no.	Node number	Features	Explanation
No. 1 terminal	101, 106	Power zero line, FireWire Out	Active output, 1AAC220V
	102, 103	I work way power zero line, FireWire input	AC 220V
	104, 105	II work way power zero line, FireWire input	AC 220V
No. 2 terminal	201, 206	Disconnect passive control, closed for the active control	See type Schematic
	202	External passive control signal input common	
	203	I closed the road and after 202 Closing	
	204	0 closed the road and after 202 Closing	I / II line open
	205	II closed the road and after 202 Closing	
No. 3 terminal	301, 306	Unused, even inside has been	400A above assembly
	302	Passive position feedback signal output common	
	303	I closed the road after closing and 302	The basic model is an active output, other Model passive output.
	304	0 closed the road after closing and 302	
	305	II closed the road after closing and 302	
No. 4 terminal	401, 406	Unused, even inside has been	400A above assembly
	402, 403	I closed the road after closing	Passive 1AAC220V
	404, 405	II closed the road after closing	Passive 1AAC220V
No. 5 terminal	501~506	Custom signal output terminal	400A above assembly Passive 1AAC220V

- 1, Electric lock: control the power of control circuit inside the switch. When the electric lock turned on, the switch can be remotely operated, otherwise the switch will be hand operation.
- 2, Operation handle: electric lock must be closed when using operation handle.
- 3, Mechanical padlock: Before you overhaul, you must turn off the electric lock, use the operating handle to force the switch to "0"position, pull the mechanical padlock and lock it.
- 4, Position indicator: indicate working status of the switch(I,0,II).
- 5,The control voltage: AC220V.
- 6,The switch body: part in the front is line I, connect with the normal power. Part at the back is line II, connect with the standby power.

2.4 correct installation schematic diagram



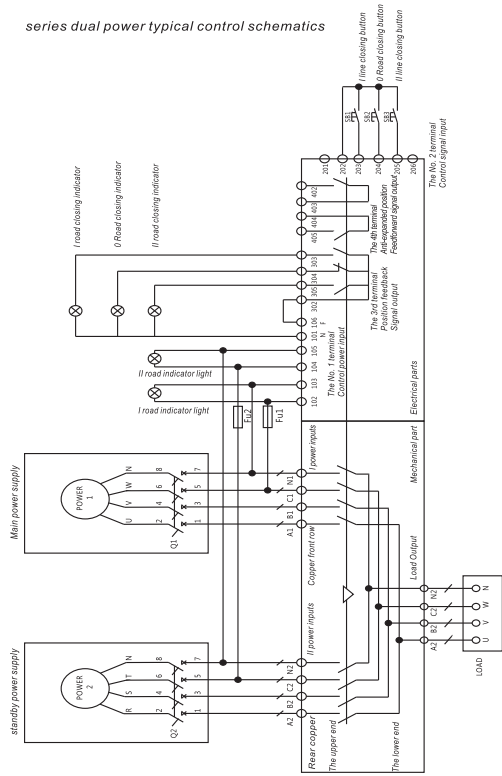
2.5 Installation size



Model Specifications	A	B	C	D	E	F	G	H
-20-100A	245	126	233	84	14	30	6	133
-20-160A	JD YC	135	284	110	20	36	9	195
		165		80				190
-200-300A	JD YC	160	345	110	25	50	11	195
		187		80				
-400-630A	435	260	425	180	40	65	13	262
-800-1000A	635	350	610	220	63	120	9	321
-1250A	635	350	610	220	63	120	11	321
-1600A	635	375	610	220	80	120	13	321
-2000-3200A	635	423	460	355	80	120	13	500

2.6 all types of wiring

series dual power typical control schematics



Fu1 / FU2 is 2A fuse
101 to 106, 201~206, 301-306 as switch terminal
630A switch terminal can be used for more than 401-406, 501-506
Note: This wiring diagram applies and 2, 3, 4, 5

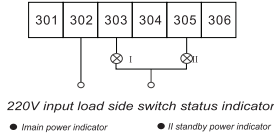
Explanation:
1. the drawing applies only to standard ATS switches of the access switch bronze voltage:
AC220V/230V (three-phase four-wire), in the case of 60/60kV user,
2. the use of intelligent controller, use the 3rd terminal access controller as a feedback signal port, use the 4th terminal as an external indicator

Auto-Denyo

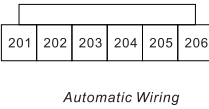
ATS MANUAL

Technology by Japan

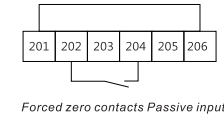
1, the automatic wiring (basic)



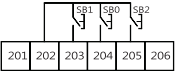
2, automatic wiring



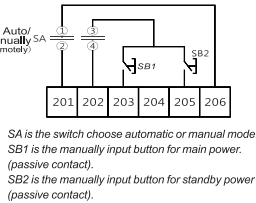
3, Automatic + forced zero protection(fire fighting, dual power supply are disconnected)



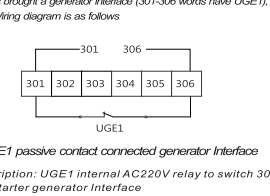
4, Remote control (manual only) Wiring



5, Automatic + Manual (remote control) Wiring



6, the starter-generator signal wiring



NOTE: The above is about "the 2nd switch terminal" control wiring, the user can choose one, just to copper automatic power introduced, do not need another then the second line, 302-305 switching state instructions, such as users need to connect their own. Terminal method: only one set of six terminals