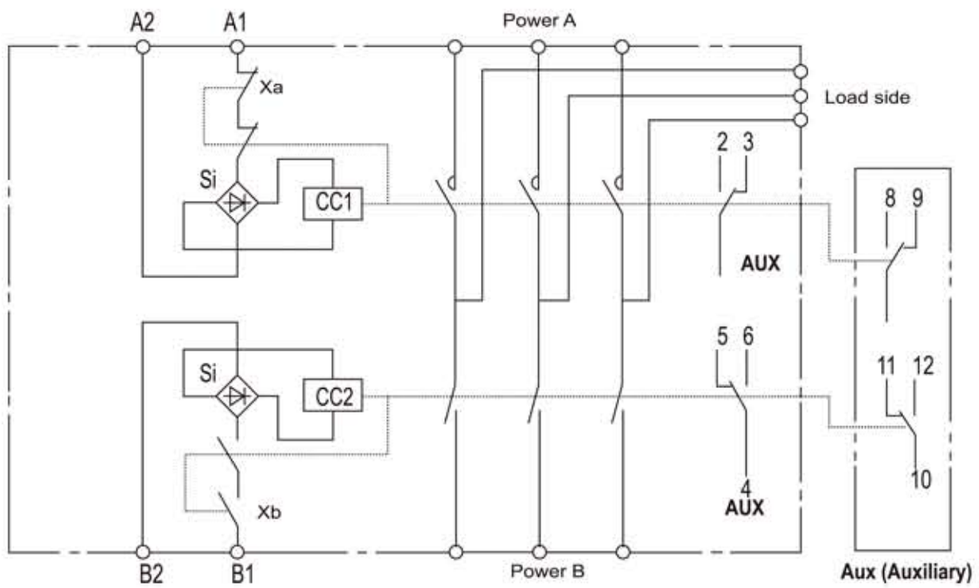
IV. Operation loop

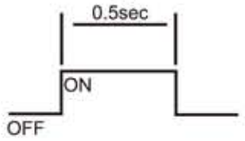


A1-A1: Input terminal on A power side B1-B2: Input terminal on B power side
Xa-Xb: Control switch CC1, CC2: Closed coil Si: Rectifier AUX: Auxiliary switch

V. Operation instructions

1) When installing the switch avoid high temperatures, steam or harmful gas (exhaust gas) and dust.

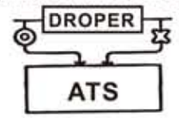
2) To ensure reliable operation, maintain control commands for longer than 0.5 second.



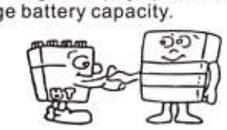
3 The switch will stay in the input state when an input command and a tripping command are sent to the same power side simultaneously. Please avoid doing this, otherwise the coils will remain excited.

4) Apply electric operation and try to avoid manual operation.

5) Under DC conditions, if the power has a step-down loop (DROPPER), connect the power to the input side of the step-down loop rather than the output side.



6) Make sure the operating power cables are long enough and pay special attention to the storage battery capacity.



7) Excitation in the W-S1 series is instantaneous and the operating power is cut off after the input operation ends instead of being cut by the external operating power via the auxiliary switch (AUX.SW.).

8 Please contact the company if you have a need for products with special features and specifications.

VI. Installation

The switches must be installed in the correct orientation because of their structure and mode of operation. Incorrect orientation will result in changes to the switch characteristics. Please ensure the switches are installed correctly. Contact the company if this cannot be done as stipulated for wiring or mechanical reasons. The switches should be installed vertically, parallel with the vertical plane of the switchboard, and with the nameplate visible from the front.

VII. Maintenance, examination and storage

Note: Examination and maintenance should be carried out by professionals with all the external power cut off.

†††To maintain performance and a good operating state of the switches, perform the first maintenance within one year of †††installation. After this, periodical maintenance should be carried out annually. The basic items to be inspected are listed as below.

1) Keep the switches clean to prevent failure due to dust, dirt, or rust.

2) Perform a visual inspection of the contact parts for deformation, damage or change in color. Clear off metal deposits and burns on the contact surface and around the contact.

3) Poor contact can be the result of rust, oxidation or dust on the contact surface. During maintenance, check connection/ disconnection operation (measure the contact resistance if necessary), and fasten any loose connecting parts.

4) Under DC conditions, pay attention to the storage battery capacity and the charging.

Charging deficiency

5) Before using switches that have become damp, or have not been used for some time, remove the dust, dirt and dry them well. Then measure the isolation resistance of every two poles, inlet lines and outlet lines, the main/auxiliary circuit and the installation metal board (box) using a Megger. These values should be no less than 10MΩ. If this is not possible, the switches must be taken out of use.

6) New switches or those unused for a long period should be stored in an environment similar to the operating environment. Measures should be taken to, avoid dust, dampness, shock or accident.