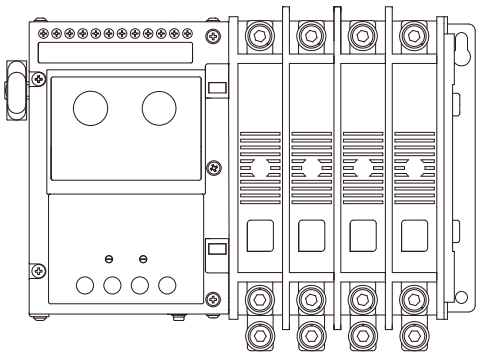


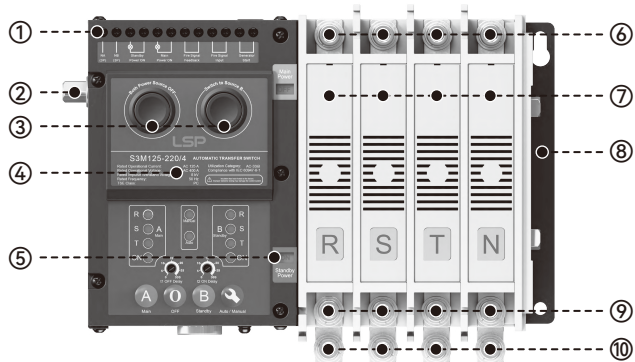
Automatic Transfer Switch Equipment (ATSE) S3M125



⚠ Important Notes:

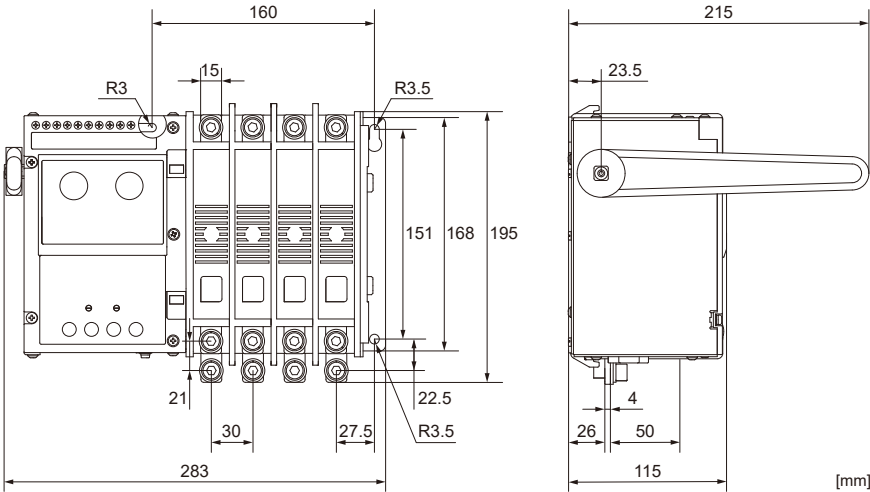
- Please read this manual carefully before installing or operating the product. If you have any questions, please contact our company.
- Unauthorized disassembly of the product is strictly prohibited to prevent instrument failure or malfunctions.

Product Overview

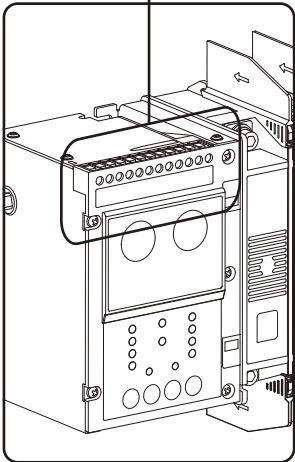
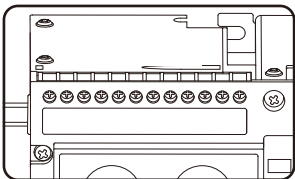


① Terminal Blocks for Main Power A & Standby Power B	④ Nameplate	⑦ Terminal Block Modules
② Manual Handle	⑤ Mechanical Indicator of Power Transfer	⑧ Mounting Base
③ Power Off / Transfer to Standby Power Push Button	⑥ Main Power Terminals	⑨ Standby Power Terminals
		⑩ Load Terminals

Dimensions



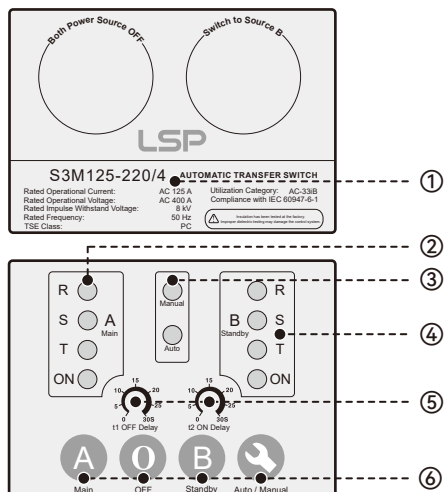
Terminal Wiring Instructions



1	2	3	4	5	6	7	8	9	10	11	12
Main power neutral terminal	Standby power neutral terminal	Standby power close output (dry contact)	Main power close output (dry contact)	Fire alarm feedback output (dry contact)	Fire alarm input (dry contact)	Generator start output (dry contact)					

- **Main power neutral terminal:**
For ATS models with a three-pole switch, the neutral line of the main power source shall be connected to this terminal.
- **Standby power neutral terminal:**
For ATS models with a three-pole switch, the neutral line of the standby power source shall be connected to this terminal.
- **Standby power close output (dry contact):**
When the ATS transfers the load to the standby power source, this output port provides a dry contact (passive) closed signal.
- **Main power close output (dry contact):**
When the ATS transfers the load to the main power source, this output port provides a dry contact (passive) closed signal.
- **Fire alarm feedback output (dry contact):**
When the ATS is in the double-break (both sources disconnected) state, this feedback output port is energized to notify the fire alarm system.
- **Fire alarm input (dry contact):**
Short-circuiting the fire alarm input port causes the "Both Power Source OFF" indicator lamp to illuminate, forcing the ATS into a double-break state. Removing the short-circuit and pressing the Auto/Manual button will reset the ATS.
- **Generator start output (dry contact):**
When the main power source fails, this output port is energized after a preset delay to initiate the generator start sequence.

Label Description



- ① Product Parameters
- ② Main Power Three-Phase Sampling Indicator and Usage Indicator
- ③ Manual and Automatic Indicator
- ④ Standby Power Three-Phase Sampling Indicator and Usage Indicator
- ⑤ Delay Time Adjustment Knob
- ⑥ Operating Mode Setting Button

Operating Mode Setting Instructions

Entering Mode Setting

In automatic mode, press and hold the “A Main” and “B Standby” buttons simultaneously for 10 seconds to enter the mode setting menu. At this point, either the “A” and “B” indicator lamps or the “Manual” and “Automatic” lamps will illuminate, indicating the current mode.

- “A” lamp ON: Auto Transfer with Auto Recovery (automatic transfer and automatic recovery).
- “Manual” lamp ON: Auto Transfer without Auto Recovery (automatic transfer only).
- “B” lamp ON: Main Power Priority mode.
- “Automatic” lamp ON: Standby Power Priority mode.

Mode Switching

- Press the “A Main” button to toggle between Auto Transfer with Auto Recovery and Auto Transfer without Auto Recovery modes.
- Press the “B Standby” button to toggle between Main Power Priority and Standby Power Priority modes.

Exit Mode

- Press the “O OFF” button to exit the mode setting menu and save the current settings.

Working Conditions

Ambient Temperature Range: -5°C to +40°C, 24-hour average ≤ +35°C

Operating Humidity: ≤50% RH at +40°C; monthly maximum ≤90% RH, condensation prevention required

Altitude: ≤2000 m; consult manufacturer for higher altitudes

Pollution Degree: 3

Installation Category: IV

Mounting Inclination: ≤±22.5°, fixed within enclosure

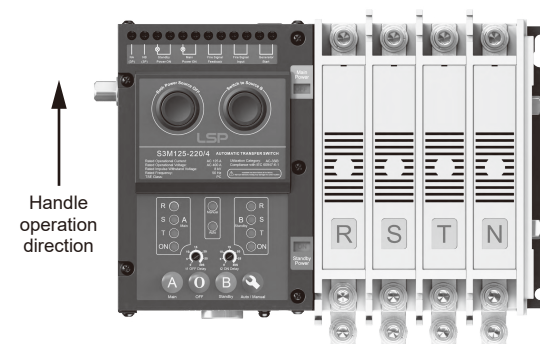
Arc Distance: 30 mm at AC 400 V

Utilization Category: AC-33iB

⚠ Instructions for Use

Note: In normal operation, set the controller to automatic mode for ATS auto-control, monitoring main and standby power simultaneously with status display via LED indicators. The ATSE transfers to standby power on main power failure (e.g., power cut, under/over-voltage, phase loss) within a 0-30 s delay, and returns to main power upon recovery, prioritizing main power when both sources are normal. For manual operation, set to manual mode; the ATSE will not transfer automatically.

Manual Operation Procedures and Precautions



1. Method for Engaging Main Power (Position Main A)

- Press the “Both Power Sources OFF” button (see illustration) to turn both the main and standby power sources to the OFF position.
- Using the manual handle, rotate the manual shaft in the direction indicated by the arrow to set the main power (Position Main A) to ON.

2. Method for Engaging Standby Power (Position Standby B)

- Press the “Both Power Sources OFF” button (see illustration) to turn both the main and standby power sources to the OFF position.
- While pressing and holding the “Switch to Source B” button, rotate the manual shaft in the direction indicated by the arrow to set the standby power (Position Standby B) to ON.

3. Manual Trip Method

- To ensure safety, perform the manual trip in a power-off state by pressing the “Both Power Sources Off” button.
- Confirm the switch has tripped by checking the ON/OFF indicator.

Precautions

- Manual operation is strictly prohibited when the switch is under load.
- During manual operation, the controller must be set to either manual mode or power-off state.

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