# SRA Solutions

# Thermostatic Controlled Fan Tray

# User Manual



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# Safety Guidelines

**WARNING!**

Read and understand all sections in this guide before installing or operating this product.

**WARNING!**

Connect this product to an AC power source whose voltage is within the range specified on the product's nameplate. Operating this product outside the nameplate voltage range may result in electric shock, fire, personal injury and death.

**WARNING!**

Connect this product to an AC power source that is current limited by a suitably rated fuse or circuit breaker in accordance with national and local electrical codes. Operating this product without proper current limiting may result in electric shock, fire, personal injury and death.

**WARNING!**

This product contains no user serviceable parts. Do not open, alter or disassemble this product. All servicing must be performed by qualified personnel. Disconnect power before servicing this product. Failure to comply with this warning may result in electric shock, personal injury and death.

**WARNING!**

Use this product in a dry location. Failure to use this product in a dry location may result in electric shock, personal injury and death.

# Safety Instructions

1. Installation of this product should only be performed by a person who has knowledge and experience with electric power.
2. Make sure the line cord is disconnected from power before physically mounting or moving the location of this product.
3. Examine the supply plug that will provide electric power to this product. Make sure the plug's power lines, neutral and protective earth ground pins are wired correctly and are the correct voltage and phase. Make sure the branch circuit is protected by a suitably rated fuse or circuit breaker.
4. This equipment is intended for installation in Restricted Access Locations such as computer rooms, network closets, and equipment racks.

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# Specifications

## Scope

This manual defines the specifications and operating instructions for Series 6 thermostatically controlled fan trays.

## Supply Requirements

All models require the following supply power source.  Supply circuits must be fitted with dedicated circuit breakers appropriate to the maximum rated current of the PDU.

Supply Voltage:       230VAC
Supply Frequency:   50Hz
Rated Max Current:   5A

## Environmental

Storage Temperature:        -15°C to 60°C
Operating Temperature:      0°C to 50°C

Storage Humidity:            5% to 95%, non-condensing
Operating Humidity:          5% to 95%, non-condensing

## Temperature Controller

Controller model:           STC-200
Thermal Sensor:             NTC with 2m lead
Temperature control range:  -40 to 70°C
Max Output:                 7A (230VAC)
Accuracy:                   ±1°C

## Models

| Part Number | Supply | Fans | Flow(m3/min) | Filtered |
|---|---|---|---|---|
| 0B358A60 | 10A IEC C14 | 5 | 11 | No |
| 0B358160 | 10A MOULDED GPO | 5 | 11 | No |
| 0B378A60 | 10A IEC C14 | 5 | 11 | Yes |
| 0B378160 | 10A MOULDED GPO | 5 | 11 | Yes |
| 0B454A60 | 10A IEC C14 | 6 | 13 | No |
| 0B454160 | 10A MOULDED GPO | 6 | 13 | No |
| 0B474A60 | 10A IEC C14 | 6 | 13 | Yes |
| 0B474160 | 10A MOULDED GPO | 6 | 13 | Yes |

## Dimensions

Fan tray dimensions (w x d x h):     325mm x 468mm x 47mm
Cable Length:                        3m

# Installation and Operation

## Fan Tray Mounting

Fan trays are designed for use in SRA Series 6 (Commercial) rack cabinets. The Fan Tray must not be plugged into a power source while being mounted in a rack. The fan tray can be mounted in the top or bottom of a rack and is fastened with supplied fasteners.

## Connecting the Fan Tray to a Power Source

Before connecting this device to a power source, observe the following:
- Only a competent service person should install the fan tray. It is the installer's responsibility to ensure that the selected product is installed to meet local safety regulations.
- Verify that the room and rack air temperature is within the operating range of the selected model.
- The installation power outlet used for the power supply to this fan tray must be installed near the equipment and must be easily accessible
- Fan tray must be securely fitted in a rack before it is plugged into the supply.

## Parameter Inspection and Setting:

- Entry into user setting mode:
  - Under non-setting mode, press SET key for over 3 seconds to enter into user setting mode, the set indicator light on and LED displays the current temperature set value.
- Temperature setting:
  - Under user setting mode, press ▲ or ▼ key to adjust the temperature set value. Press once to increase or decrease 1°C, press the key for over 2 seconds to start prompt adjustment.
- Quit from user setting mode:
  - Under setting mode, press SET key for over 3 seconds or no key operation within 30 seconds, the system will preserve the displaying temperature set value ad return to normal working mode.
- Entry into administrator menu:
  - Under non-setting mode, Press SET and ▲ keys for over 3 seconds to enter into administrator menu setting mode. The set indicator light on and LED displays item F0.
- Setting item modification and entry into parameter setting mode:
  - Under setting item mode, press ▲ or ▼ key to adjust the setting items F0-F5. When modifying the parameter values, press ▲ or ▼ key to adjust to the corresponding setting item. Press SET key to enter into parameter

modification mode, in this moment, the LED will display the current set value of this parameter.

- Parameter modification and return to setting mode:
  - Under parameter setting mode, press ▲ or ▼ key to adjust parameter values. Press SET key to return to setting item modification mode after parameter setting, at this moment, the LED will display the current setting item.
- Parameter preservation and exit setting mode:
  - Under setting item or parameter mode, press SET key for over 3 seconds or no key operation for 30 seconds, the system will preserve the current set value and quit from the setting mode.