



# Auto-Changeover Controllers

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A range of auto changeover controllers for use with single or three phase twin fans. The control panel features a 2 position Fan 1 / Fan 2 rocker switch for fan selection. Indicators are provided for power and fan fail.

- IP51 Enclosure
- Power On indication
- Fail Indication
- Suitable for operating temperatures up to 40°C

## Features & Benefits

### Optional features

#### Duty Share

Common volt free contact for fan fail.

240V on/ off enable from a remote source.

24V on/ off enable from a remote source.

Suitable for use with speed controllers to a minimum voltage of 70V.

#### Benefits

These units provide automatic change over in the event of fan fail when used in conjunction with run and standby fan sets.

Selection of either Fan 1 or Fan 2 provides an economical manual method of extending the life cycle of twin fans.

Optional Duty Share provides automatic changeover between Fan 1 and Fan 2 set via internal time clock.

## SINGLE Phase 220V–240V 50/60Hz

Product Code(1)	F L C Amps	Weight kg	IP Rating
149-AC01/E	9	1.2	IP51
149-AC01/A	9	1.2	IP51
149-AC01/B	9	3	IP51

(1) Standard codes shown,

E – Electric type, operation by fuse rupture; refer to fan compatibility table for correct model.

A – Air type, operation by airflow switches; refer to fan compatibility table for correct model .

B – For use as either Electric type or Air, suitable for speed control to minimum 70V.

For additional options refer to suffix list and options compatibility table.

## THREE Phase 400V 50 Hz

Product Code(1)	F L C Amps	Weight kg	IP Rating
149-AC03/B	9	3	IP51
149-AC03SD	15	20	IP51

(1) Standard codes shown,

B – For use with three phase twin fans up to 4kW.

SD – Star / Delta for use with 5.5kW and 7.5kW units, refer to fan compatibility table.

For additional options refer to suffix list and options compatibility table.

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## Fan Compatibility Table

Product Code	ACO Product Code				
	149-AC01/E	149-AC01/A	149-AC01/B	149-AC03/B	149-AC03SD
SQT	•		•		
STDD		•	•		
STDR		•	•		
STBD 240V 1Ph 50Hz			•		
STBD 400V 3Ph 50Hz				•	
STBD5/6 400V 3Ph 50Hz					•
STBR 240V 1Ph 50Hz			•		
STBR 400V 3Ph 50Hz				•	
STBR5/6 400V 3Ph 50Hz					•

## Optional Features

Option	Description	Suffix
Duty Share	Automatically changes between fan 1 and fan 2 at a pre-determined time as selected via internal time clock	D
Volt Free Contact (fail indication)	A volt free contact that can be used to connect a visual / audible alarm located externally to the panel, also for use with energy management systems	V
Remote On / Off	A volt free contact or 240V connection terminal to allow the auto changeover panel to be remotely switched On and Off	O

## Option Compatibility Table

Product Code	Duty Share (option)	VFC Fail (option)	Remote On / Off (option)	Speed Control (standard)
149-AC01/E	•	•		
149-AC01/A	•	•		
149-AC01/B	•	•	•	•
149-AC03/B	•	•	•	•
149-AC03SD	•	•	•	

## Example

Requirement is for an Auto changeover panel for use with an SQT125-L. Controller is to have a Volt free contact for remote fan fail indication to BMS system.

Auto Changeover Panel required is: **149-AC01/EV**

(Standard code **149-AC01/E** from fan compatibility table with suffix “V” for volt free contact)

If speed controllability had been required the above controller would be **149-AC01/BV**



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