

FC BASICSTAT



Thermostats for 2-pipe and 4-pipe Fan Coils

Description

This range of fan coil controllers offers a simple but efficient solution for the control of 2/4-pipe fan coils with electric heaters.

The modern, ergonomic design enables simple installation on the wall or inside the fan coil unit.

The minimum thermostat guarantees an adequate level of comfort while preventing unpleasant draughts of cold air in the winter season.

The models with electronic ambient thermostat are equipped with special pegs that limit the set-point value to avoid energy waste.

Installations







- Independent wall-mounted thermostat for fan coils in compartments, ceiling-mounted or above doors.
- Installation integrated in floor-standing fan coil.

Main features

- Electronic ambient thermostat with set-point entered by means of knob (on FSS models only)
- Manual selection of operating mode.
- 3 fan speeds (min/med.max)
- Easy to use and install
- Hot Start function with digital input and temperature probe
- Set point limitation by means of special pegs
- "Built-in" or remote ambient air temperature probe (on FSS models only)

Models

Various models are available to meet the requirements of a wide range of applications and installations.

	FSC100 Manual mode selection, 3 fan speeds, hot start with digital input
	FSC200 Manual mode selection, 3 fan speeds, hot start with temperature probe
	FSS110 Ambient thermostat, manual mode selection, 3 fan speeds, built-in hot start air probe with digital input
	FSS210 Ambient thermostat, manual mode selection, 3 fan speeds, built-in air probe, hot start with temperature probe
	FSS120 Ambient thermostat, manual mode selection, 3 fan speeds, remote air probe, hot start with digital input
	FSS220 Ambient thermostat, manual mode selection, 3 fan speeds, remote air probe, hot start with temperature probe



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Invensys Controls Europe
An Invensys Company

Features		FC CAP		FC STAT			
Model		FSC 100	FSC 200	FSS 110	FSS 210	FSS 120	FSS 220
Part Number		FSC100000500	FSC200000500	FSS1B0000500	FSS2B0000500	FSS1R0000500	FSS2R0000500
Application							
2 pipes		•	•	•	•	•	•
2 pipes with electric heaters		•	•	•	•	•	•
4 pipes		•	•	•	•	•	•
Outputs							
Cold water valve		•	•	•	•	•	•
Hot water valve		•	•	•	•	•	•
Fan speed		3	3	3	3	3	3
Inputs							
Built-in air probe		-	-	•	•	-	-
Remote air probe (not supplied)		-	-	-	-	•	•
Water probe (not supplied)		-	•	-	•	-	•
Hot Start digital input		•	-	•	-	•	-
Functions							
Ambient thermostat		-	-	•	•	•	•
Manual mode selection		•	•	•	•	•	•
Manual speed selection		•	•	•	•	•	•
Hot Start with probe		-	•	-	•	-	•
Hot Start with digital probe		•	-	•	-	•	-

Description of product codes

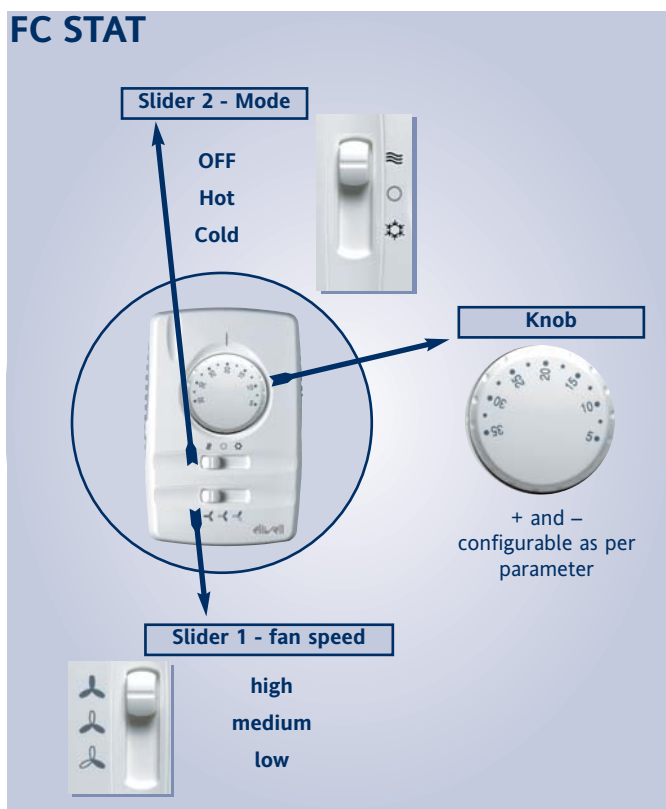
Nr.	Code	Description
Model	FS	FC BASICSTAT
1st	C	CAP
	S	STAT
2nd	1	Hot Start Digital Input present
	2	Hot Start Analogic Input present
3rd	0	Air temperature probe not present
	1	Air temperature probe built-in
	2	Air temperature probe remote
4th	0	Fixed

User Interface

FC CAP



FC STAT



Technical Data

FC CAP

- Power supply: 230V~ 50Hz
- Electrical data of 230C output: max. 0.5A max for valve outputs and max. 1 for fan outputs
- Insulation class: II
- Protection rating: IP30
- Analogue inputs: 1 (+1) NTC probes 103 AT-2
 - water probe* (see wiring diagrams)
- * probe present depending on model
- Outputs: 2 relay outputs
- Unit dimensions: 120x80x40 mm
- Mounting: wall-mounted, on-board unit
- Housing colour:
 - Front panel: white;
 - Base plate: white.
- Connections: screw-on terminal block for wires
 - with max. diameter 2.5 mm² for rigid cable
 - with max. diameter 1.5 mm² for flexible cable
- Ambient Temperature: 0...55 °C
- Storage Temperature: -20...85 °C
- Storage humidity: 10...90% (non condensing)
- Conformity: CE LV-EMC conformity

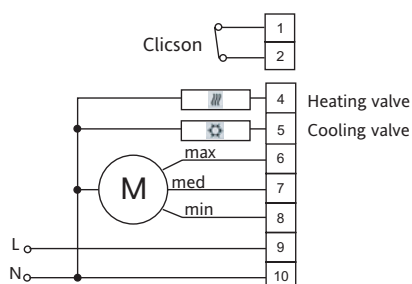
FC STAT

- Power supply: 230V~ 50Hz
- Electrical data of 230C output: max. 0.5A max for valve outputs and max. 1 for fan outputs
- Insulation class: II
- Protection rating: IP30
- Analogue inputs: 1 (+1) NTC probes 103 AT-2
 - air probe* (see wiring diagrams)
 - water probe* (see wiring diagrams)
- * probe present depending on model
- Outputs: 2 relay outputs
- Unit dimensions: 120x80x40 mm
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- Storage Temperature: -20...85 °C
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- Conformity: CE LV-EMC conformity

Wiring diagrams

Models

FSC100
FSS110

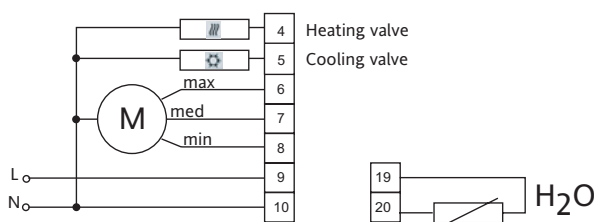


Legenda

1 - 2	Hot Start D.I.
4 - 5	relay output
6	High speed
7	Med speed
8	Low speed
9	L phase
10	N Neutral

Models

FSC200
FSS210

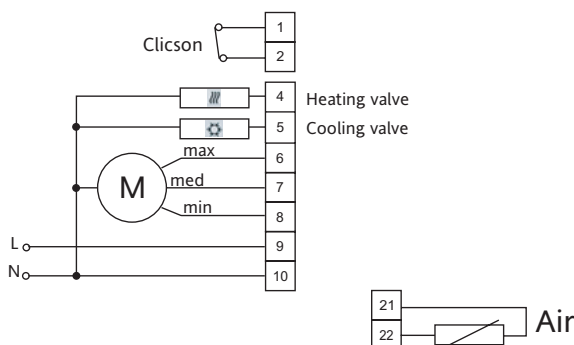


Legenda

4 - 5	relay output
6	High speed
7	Med speed
8	Low speed
9	L phase
10	N Neutral
19 - 20	Water probe (H ₂ O)

Models

FSS210

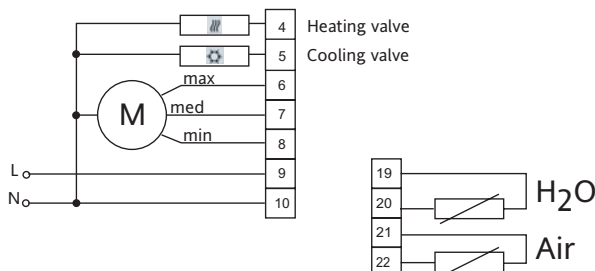


Legenda

4 - 5	relay output
6	High speed
7	Med speed
8	Low speed
9	L phase
10	N Neutral
19 - 20	Water probe(H ₂ O)
21 - 22	Air probe (Air)

Models

FSS220



Legenda

4 - 5	relay output
6	High speed
7	Med speed
8	Low speed
9	L phase
10	N Neutral
19 - 20	Water Probe (H ₂ O)
21 - 22	Air probe (Air)

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Accessories

PROBES

Remote water probe

 SN8PAA1500 NTC probe, PVC cable, plastic resin AISI 304 pipe with reinforced insulation (metal) 1.5 m long metal cover 6X40

Remote air probe

 SN8PCL1500 NTC probe with plastic resin pipe with reinforced insulation 6X40 PVC cable 1.5 m long; plastic cover 7X24.5