



REFRIGERATION &
AIR CONDITIONING DIVISION

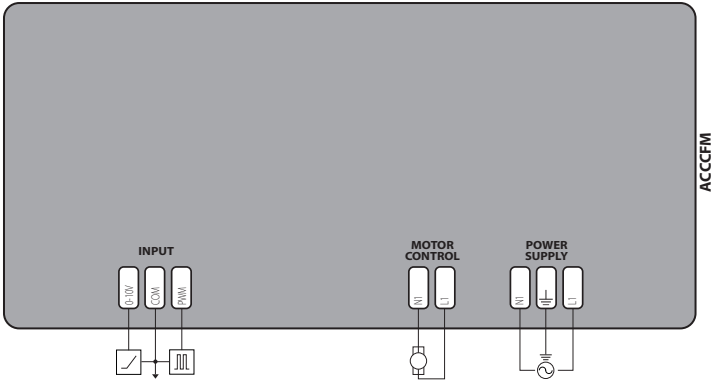
ACCCFM electronic controller

ACCCFM is an electronic device to drive AC single-phase electric motor. It's especially dedicated to the linear speed regulation of fan coils. With a thermostat with proportional signal output type 0/10V or PWM, thanks to ACCCFM it is now possible to carry out a linear speed regulation of the fan. The thermostat will be connected to ACCCFM by means of two signal wires and so it can be easily placed in any point of the ambient where the fan coil is

GENERAL FEATURES

	ACCCFM
ANALOG INPUTS 0/10V o PWM (1kHz)	1
MOTOR CONTROL OUTPUT 230Vac, 0,6A RMS maximum	1
POWER SUPPLY 230Vac, 50Hz	•
OTHERS	
Connectors	Fast-on type
Dimensions (DIN module)	8
Mounting	DIN bar

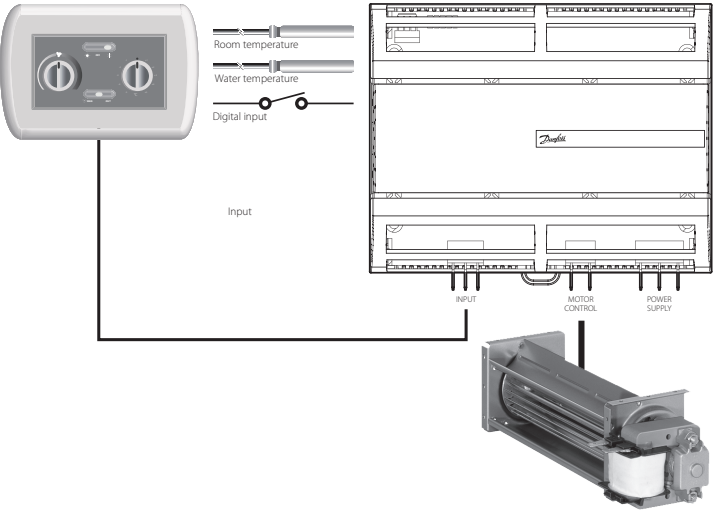
CONNECTION DIAGRAM



CONNECTIONS SPECIFICATIONS

CONNECTORS	NUMBER OF WAY	CONNECTIONS	FEATURES
Input	3	0-10V, COM, PWM	Input PWM and 0-10V
Motor control	2	230Vac	Motor control 230Vac - 50-60Hz - 0.6A
Power supply	2	230Vac	Power supply 230Vac - 50-60Hz

CONNECTIONS SPECIFICATIONS DIAGRAM



GENERAL FEATURES AND WARNINGS

PLASTIC HOUSING FEATURES

- DIN rail mounting complying with EN 60715
- Self extinguishing V0 according to IEC 60695-11-10 and glowing/hot wire test at 960°C according to IEC 60695-2-12
- Ball test: 125°C according to IEC 60730-1. Leakage current: ≥ 250V according to IEC 60112

OTHER FEATURES

- Operating conditions CE: -20T60 / UL: 0T55, 90% RH non-condensing
- Storage conditions: -30T80, 90% RH non-condensing
- To be integrated in Class I and/or II appliances
- Index of protection: IP40 only on the front cover
- Period of electric stress across insulating parts: long
- Suitable for using in a normal pollution environment
- Category of resistance to heat and fire: D
- Immunity against voltage surges: category II
- Software class and structure: class A

CE COMPLIANCE

This product is designed to comply with the following EU standards:

- Low voltage guideline: 73/23/EEC
- Electromagnetic compatibility EMC: 89/336/EEC and with the following norms:
 - EN61000-6-1, EN61000-6-3 (immunity for residential, commercial and ligh-industrial environments)
 - EN61000-6-2, EN61000-6-4 (immunity and emission standard for industrial environments)
- EN60730 (Automatic electrical controls for household and similar use)

GENERAL WARNINGS

- Every use that is not described in this manual is considered incorrect and is not authorised by the manufacturer
- Verify that the installation and operating conditions of the device respect the ones specified in the manual, specially concerning the supply voltage and environmental conditions
- This device contains live electrical components therefore all the service and maintenance operations must be performed by qualified personnel
- The device can't be used as a safety device
- Liability for injury or damage caused by the incorrect use of the device lies solely with the user

INSTALLATION WARNINGS

- Mounting position recommended: vertical
- The installation must be executed according the local standards and legislations of the country
- Always operate on the electrical connections with the device disconnected from the main power supply
- Before carrying out any maintenance operations on the device, disconnect all the electrical connections
- For safety reasons the appliance must be fitted inside an electrical panel with no live parts accessible
- Don't expose the device to continuous water sprays or to relative humidity greater than 90%. Avoid exposure to corrosive or pollutant gases, natural elements, environments where explosives or mixes of flammable gases are present, dust, strong vibrations or chock, large and rapid fluctuations in ambient temperature that in combination with high humidity can condensate, strong magnetic and/or radio interference (e.g. transmitting antennae)
- When connecting loads beware of the maximum current for each relay and connector
- Use cable ends suitable for the corresponding connectors. After tightening the screws of connectors, slightly tug the cables to check their tightness
- Use appropriate data communication cables. Refer to the Fieldbus Installation Guide for the kind of cable to be used and setup recommendations
- Reduce the path of the probe and digital inputs cables as much as possible, and avoid spiral paths enclosing power devices. Separate from inductive loads and power cables to avoid possible electromagnetic noises
- Avoid touching or nearly touching the electronic components fitted on the board to avoid electrostatic discharges



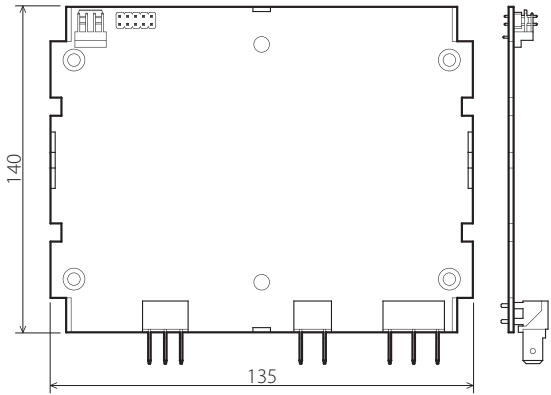
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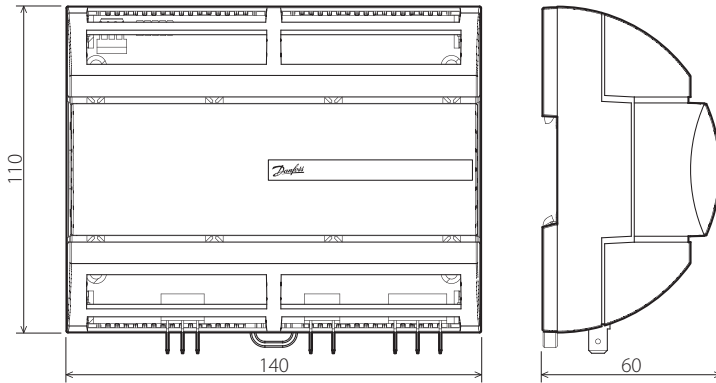
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DIMENSIONS

NO PLASTIC ENCLOSURE



PLASTIC ENCLOSURE



CONNECTIONS

BOTTOM BOARD

- Input connector
3 way tab male 6.3 x 0.8mm DIN-46242 type: pitch 5.08mm
- Motor control connector
2 way tab male 6.3 x 0.8mm DIN-46242 type: pitch 7.62mm
- Power supply connector
3 way tab male 6.3 x 0.8mm DIN-46242 type: pitch 7.62mm

PRODUCT PART NUMBERS

CODE	DESCRIPTION
080G0157	ACCCFM, 230V, 0-10V, PWM, NO PLASTIC ENCLOSURE, I
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