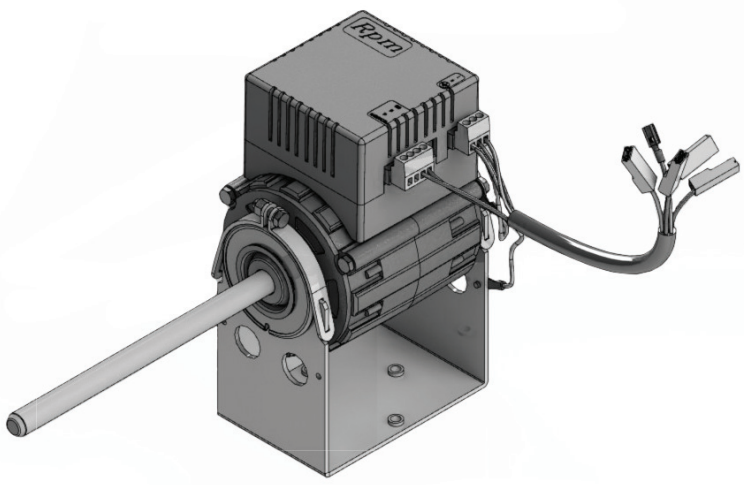
DAIKIN

SUPPLEMENTARY SHEET

BLDC fan coil units

English language: Original Instructions
All other language: Translation of the Original Instruction

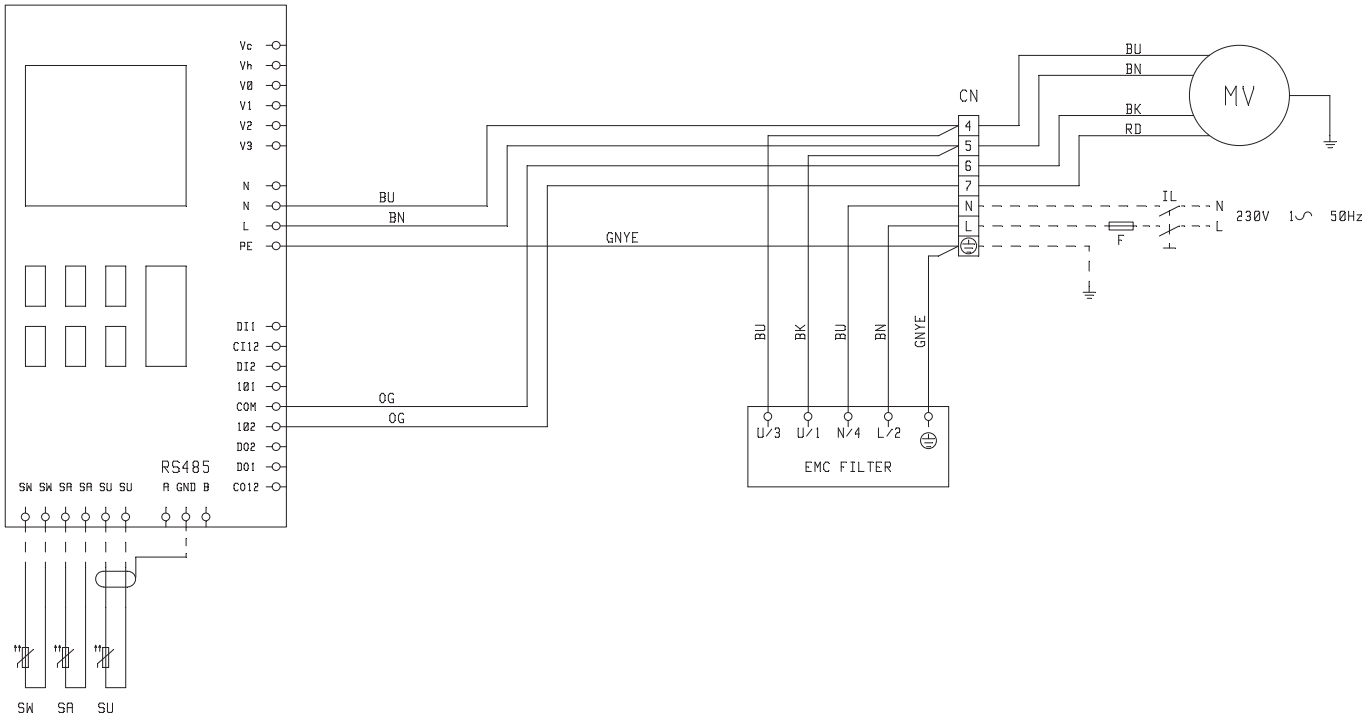
BLDC



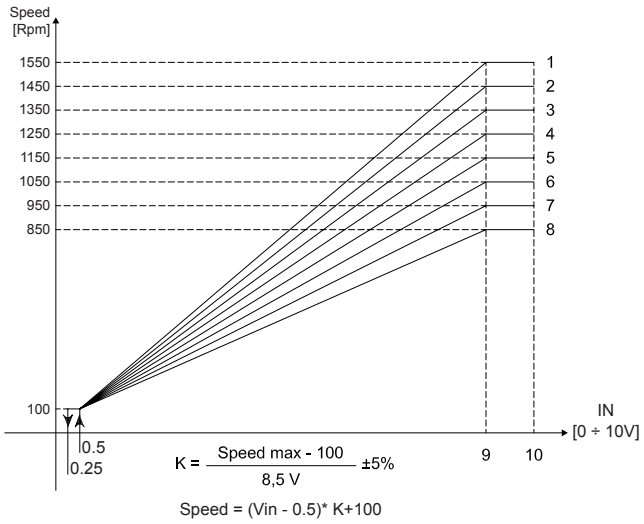
BRUSHLESS MOTOR
Supplementary sheet

MOTORE BRUSHLESS
Scheda integrativa

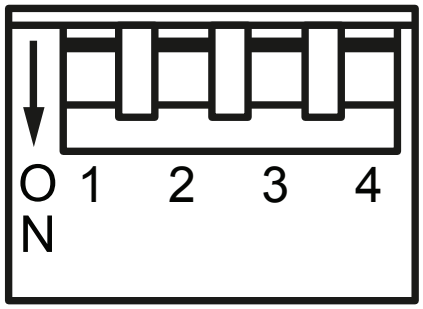
English
Deutsch
Français
Español
Italiano



1



2



3

Alarm types	LED indications	Alarm indications DIP4=OFF	Actions	Notes
Over temperature	Blink alarm LED 3s ON 0,5s OFF	Blink alarm output 3s ON 0,5s OFF	Motor OFF	Autoreset alarm. After about 1,5 min of persistance condition the alarm is set permanently: LED ON, Alarm ON and system is in STOP mode
Over voltage				
Under voltage				
Over current				
Over load	Blink alarm LED 0,5s ON 0,5s OFF	Blink alarm output 0,5s ON 0,5s OFF	Speed reduction	Power limiting
Safety control				Temperature limiting
Stop	Alarm LED ON permanently	Alarm LED ON permanently	Motor OFF	Set 0V ON input to reset the alarms

4

Schemi elettrici di collegamento FWEC3

Comando a microprocessore per installazione a parete

Legenda dei simboli degli schemi elettrici (figura 1)

Vo	Velocità Superminima
V1	Velocità Minima
V2	Velocità Media
V3	Velocità Massima
L	Fase
PE	Terra
N	Neutro
RE	Resistenza Elettrica
SW	Sonda Acqua
SA	Sonda Aria
SU	Sonda Umidità
DI1	Ingresso digitale 1
DI2	Ingresso digitale 2
CI12	Comune ingressi digitali
A/B/GND	RS 485
F	Fusibile (non fornito)
IL	Interruttore di linea (non fornito)
VC	Valvola solenoide Raffreddamento
VH	Valvola solenoide Riscaldamento
…..	Collegamenti elettrici a cura dell'installatore
101	Uscita 0-10V 1
COM	Comune uscite 0-10V
102	Uscita 0-10V 2
DO2	Uscita digitale 2
DO1	Uscita digitale 1
CO12	Comune uscite digitali

Per ogni ventilconvettore prevedere sulla rete di alimentazione un interruttore (IL) con contatti di apertura con distanza di almeno 3mm e un fusibile (F) di protezione adeguato.

Collegare al massimo 20 terminali BLDC ad un unico interruttore differenziale.

Caratteristiche di regolazione dell'inverter (figura 2)

Il settaggio della curva richiesta può essere effettuato in fabbrica (e modificato in cantiere se necessario) mediante impostazione dei dip switch.

Tabella di selezione dellle rampe di velocità (figura 3)

N°	Velocità MAX	DIP 1	DIP 2	DIP 3	DIP 4
1	1550 rpm	OFF	OFF	OFF	-
2	1450 rpm	ON	OFF	OFF	-
3	1350 rpm	OFF	ON	OFF	-
4	1250 rpm	ON	ON	OFF	-
5	1150 rpm	OFF	OFF	ON	-
6	1050 rpm	ON	OFF	ON	-
7	950 rpm	OFF	ON	ON	-
8	850 rpm	ON	ON	ON	-

La velocità massima (1550 rpm) non viene utilizzata.

Allarmi (figura 4)

Wiring diagrams FWEC3

Wall-mounted microprocessor control

Key to symbols used in wiring diagrams (figure 1)

Vo	Extra-low speed
V1	Minimum speed
V2	Medium speed
V3	Maximum speed
L	Phase
PE	Ground
N	Neutral
RE	Heating element
SW	Water sensor
SA	Air sensor
SU	Humidity Probe
DI1	Digital 1 input
DI2	Digital 2 input
CI12	Digital input common
A/B/GND	RS 485
F	Fuse (not supplied)
IL	Circuit breaker (not supplied)
VC	Solenoid valve - Cooling
VH	Solenoid valve - Heating
…..	Electrical connections to be made by installer
101	0-10V 1 Output
COM	0-10V Output Common
102	0-10V 2 Output
DO2	Digital 2 output
DO1	Digital 1 output
CO12	Digital output Common

Each fan-coil requires a switch (IL) on the feeder line with a distance of at least 3 mm between the opening contacts, and a suitable safety fuse (F).

Connect up to 20 BLDC terminals to a single differential circuit breaker.

Inverter characteristics of regulation (figure 2)

The full speed curve setting can be factory made (modified on site if necessary) by using the dip switches on the mail board.

Full speed selection table (figure 3)

N°	MAX speed	DIP 1	DIP 2	DIP 3	DIP 4
1	1550 rpm	OFF	OFF	OFF	-
2	1450 rpm	ON	OFF	OFF	-
3	1350 rpm	OFF	ON	OFF	-
4	1250 rpm	ON	ON	OFF	-
5	1150 rpm	OFF	OFF	ON	-
6	1050 rpm	ON	OFF	ON	-
7	950 rpm	OFF	ON	ON	-
8	850 rpm	ON	ON	ON	-

Max speed (1550 rpm) is not used.

Alarms (figure 4)

DAIKIN EUROPE NV

Zandvoordestraat 300, B-8400 Oostende, Belgium

UT66003633 - 00