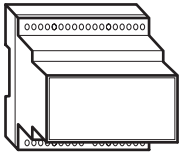
DAIKIN

INSTALLATION MANUAL

Master/Slave interface
Power interface



EPIMSA6
EPIA6

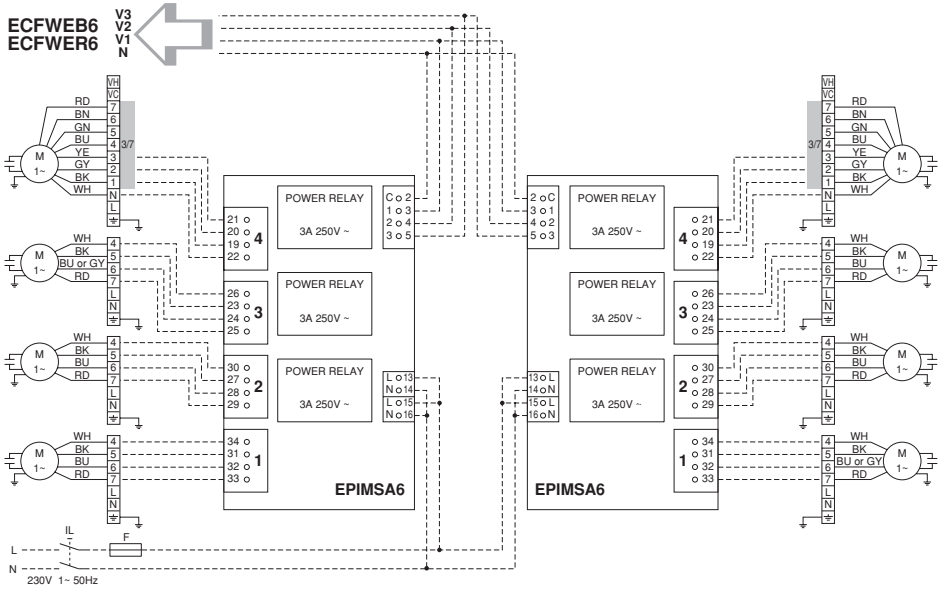
Installation manual
Master/Slave interface + Power interface — **English**

Installationsanleitung
Master/Slave Schnittstelle + Stromschnittstelle — **Deutsch**

Manuel d'installation
Interface maître/esclave + Interface d'alimentation — **Français**

Manual de instalación
Interfaz Unidad principal/Unidad esclava + Interfaz de alimentación — **Español**

Manuale d'installazione
Interfaccia "master/slave" + Interfaccia di alimentazione — **Italiano**



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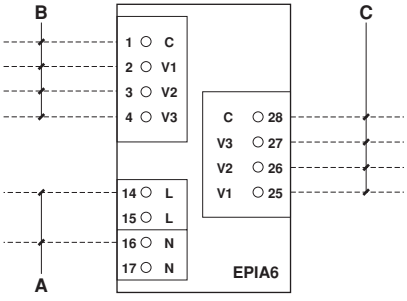

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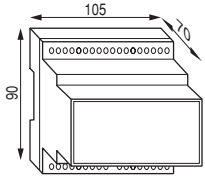

EPIMSA6 / EPIA6

3

The **Master/Slave interface** or **Power interface** must be installed to use microprocessor-based control panels on the whole range of units for models with a current consumption greater than 1.12 A.

The EPIMSA6 **Master/Slave interface** is used for connecting up to 4 units in parallel to 1 controller (ECFWEB6 or ECFWER6). Up to 3 EPIMSA6 interfaces can be connected in parallel to 1 controller. The capacity of the EPIMSA6 contacts is 4 x 3 A.

The EPIA6 **Power interface** permits to use the electronic remote controller (ECFWEB6 or ECFWER6) on the whole range of units with a current consumption greater than 1.12 A. The capacity of the EPIA6 contacts is 16 A.

Neglecting the absolute requirement to install an additional interface (EPIA6 or EPIMSA6) to units with a current consumption greater than 1.12 A may cause fire or other damage to the equipment.

Table below lists the maximum current of the whole range of units.

	FWL, FWM, FWV	FWB	FWD
01	0.16 A	—	—
02	0.21 A	0.56 A	—
03	0.27 A	0.56 A	—
04	0.39 A	0.56 A	0.95 A
05	—	1.10 A	—
06	0.38 A	1.10 A	1.58 A
07	—	1.10 A	—
08	0.80 A	1.40 A	1.97 A
09	—	1.40 A	—
10	1.12 A	1.40 A	1.97 A
12	—	—	**3.21 A**
16	—	—	**5.37 A**
18	—	—	**5.37 A**

≤ 1.12 A	Master/Slave function is possible by installing the EPIMSA6
>1.12 A	**EPIMSA6 or EPIA6 must be installed**
>3 A	**EPIA6 must be installed**

TECHNICAL SPECIFICATIONS

	EPIMSA6	EPIA6
Power supply	230 V –15% +10% 50 Hz	
Contacts at output	4x 3A 250 V	1x 16A 250 V
Operating temperature	0~40°C	
Humidity limits (RH)	20~80% non-condensing	
Protection rating	IP30	
Container	105 x 90 x 70 mm	
Weight	265 g	

INSTALLATION

- All field wiring and components must be installed by a licensed electrician and must comply with relevant local and national regulations.
- Before obtaining access to terminals, all power supply circuits must be interrupted.

- The EPIMSA6 or EPIA6 interfaces are to be installed on a DIN guide, usually housed in the electric boards cabinet.
- The overall dimensions of the EPIMSA6 and EPIA6 interface are shown in figure 3.
- Make the electrical connections with POWER OFF as indicated in the diagrams of figure 1+2 that show the following:

  Figure 1: microprocessor-based controller + 2x EPIMSA6 connected to 8 units.

  Figure 2: connections of EPIA6

Each unit requires a switch (IL) on the power supply line with a distance of at least 3 mm between the opening contacts, and a suitable safety fuse (F).

NOTE Connect only one unit per EPIMSA6 or EPIA6 output.

WIRING PARTS TABLE

Figure 1: connections of EPIMSA6

BK ..... Black (maximum speed)
BN ..... Brown
BU ..... Blue (medium speed)
EPIMSA6 . Master/Slave interface
F ..... Fuse (field supply)
GN ..... Green
GY ..... Grey
IL ..... Line switch (field supply)
M ..... Fan motor
RD ..... Red (minimum speed)
VC ..... Cold water valve
VH ..... Hot water valve
WH ..... White (Common)
YE ..... Yellow
3/7 ..... 3 out of 7 speeds
----- ..... Electrical connections to be made by the installer.

Figure 2: connections of EPIA6

A Power supply 230 V 1~50 Hz
- **14+15** phase
- **16+17** neutral

B Connection line to control panel
- **1** fan motor common wire
- **2** minimum motor speed
- **3** medium motor speed
- **4** maximum motor speed

C Connection line to motor
- **28** fan motor common wire
- **27** maximum motor speed
- **26** medium motor speed
- **25** minimum motor speed

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DAIKIN EUROPE NV
Zandvoordestraat 300, B-8400 Oostende, Belgium

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