



Manuale installazione • Installation manual • Manuel d'installation Installationsanleitung • Manual de instalación







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VMF-DHW

SERIAL NUMBER

CE DECLARATION OF CONFORMITY We, the undersigned, hereby declare under our own responsibility that the assembly in question, defined as follows:

NAMEVMF-ACSTYPEcabinet

To which this declaration refers, complies with the following harmonised standards:

 IEC EN 60730-1
 Safety standard.

 IEC EN 61000-6-1
 Immunity and electromagnetic emissions for residential environments.

 IEC EN 61000-6-3
 Immunity and electromagnetic emissions for residential environments.

Thereby, compliant with the essential requirements of the following directives:

- LVD Directive: 2006/95/CE.
- Electromagnetic Compatibility Directive 2004/108/CE.

Bevilacqua

15/01/2008

Marketing Manager Signature

Precautions and Safety Standards



Type of plant with VMF-ACS control boards

The VMF-ACS electric control board can be used in different types of system. Every system type envisions the use of different elements piloted from the electric control board. The connections between the VMF-ACS electric control board and any other system element, will be indicated with an unmistakable number. This number will be used in the following chapters to identify the specifications of the connection in question.



System type 1:





System type 3:



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System type 4:



Fix the VMF-ACS control board

The VMF-ACS accessory is formed from several electric components, contained in an IP44 box suitable for indoor installation. The accessory must be fixed to the wall before making the connections, To do this, just open the electric box (as illustrated by the next sequence), drill and fix to the wall using suitable supports, NOT SUPPLIED.



VMF-ACS power supply



Connect the integrative electric resistance



RS485 serial connection



VMF-E5 serial connection



DHW probe connection



Connection V3V(1) or DHW pump





(15) = Normany open contact.
OPEN (production of water for the system);
CLOSED (production of DHW);
(14) = Common;
(19) = Normally closed contact, with logic:
OPEN (production of DHW);

CLOSED (production of water for the system).

Before connecting the load, insert the load connection cable through on of the front fairleads.

The cable for this connection must have the following features:

- 4 pole cable;

- Minimum section: 1.5mm²;
- Maximum length: 30m.



Electric limits of the clamps: MAX 230V~ 2A.

Boiler or V3V(3) or system pump connection



System storage tank probe connection





The VMF-ACS electric control board is supplied with two temperature probes. One of these probes is used to detect the temperature inside the storage tank (if envisioned). The probe must be connected to clamps (11) and (12) as indicated in the figure above.

Before connecting the probe, insert the probe connection cable through one of the rear fairleads (easily recognisable as they have the smallest diameter). The probe must be positioned in the DHW storage tank via a relevant sump. For further information, refer to the storage tank documentation.



The length of the probe supplied is 16m.

Multifunction output or V3V(2) connection



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