DIEMATIC iSystem CONTROL PANEL OPTIONS

Outside temperature sensor - Package FM 46

Connected to the control panel, it is used to regulate the heating depending on the outside temperature.

Domestic hot water sensor - Package AD 212

This is used for regulating the DHW temperature as a priority and programming of domestic hot water production with an independent calorifier. (The TA connector in package is not to be used).

Outlet sensor downstream of the valve - Package AD 199

This sensor is required to connect a circuit with mixing valve.

AD 253/254

CDI D. iSystem interactive remote control - Package AD 254
CDR D. iSystem interactive "radio" remote control (**without transmitter / receiver radio**) **-** Package AD 253
Radio boiler module DIEMATIC iSystem (**transmitter / receiver**) **-** Package AD 252

AD 252

These are used to change heating parameters from the DIEMATIC iSystem control panel from the room in which they are installed. In addition, they enable the self-adaptability of the heating regime for the circuit concerned (one CDI D.iSystem or CDR D.iSystem per circuit).

In the case of the CDR D.iSystem, the data are transmitted by radio waves from the place where the CDR D.iSystem is installed to the transmitter/receiver box (package AD 252) placed close to the boiler.

Simplified remote control with room sensor - Package FM 52

This is used from the room in which it is installed to change the set point from the DIEMATIC iSystem panel:

- It allows a +2,5/-2,5 deviation of the room T° set point. It is also used to enable the self-adaptability of the heating curve for the circuit concerned (1 remote control per circuit).

BUS connection cable (**length 12 m**) **-** Package AD 134

The BUS cable is used to make the connection between 2 boilers fitted with the DIEMATIC iSystem control panel in a cascade installation, as well as the connection of a DIEMATIC VM control unit or a telemonitoring network transmitter.

Sensor for storage tank - Package AD 250

Includes 1 sensor for a storage tank with a boiler fitted with a DIEMATIC iSystem control panel.

AD 251

Radio outside temperature sensor - Package AD 251
Boiler radio module (radio transmitter) **-** Package AD 252

AD 252

The radio outside temperature sensor can be delivered as optional equipment for systems in which the installation of the external wire connection sensor delivered with DIEMATIC iSystem control panel would be too complex.

If this sensor is used:
- With a wire connection remote control (AD 254 or FM 52), it is necessary to order the "Boiler radio module" (AD 252).
- With a radio remote control (AD 253), already combined with a "boiler radio module" (AD 252), control of a second module is not necessary.
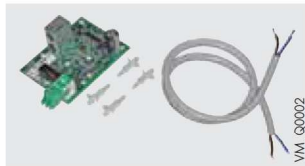
CONTROL PANEL DIEMATIC VM iSystem OPTIONS

Wall-mounted box OpenTherm/Modbus Interface - Package AD 286

Needed to control a boiler cascade equiped with OT controller (1 board per boiler).

OpenTherm/Modbus Interface - Package AD 287

Needed to manage a cascade of boilers equiped with OT controller.
The board should be installed directly in the boiler.

Intermodule connecting cable - length 1.5 m - Package AD 124

This is used for the interconnection of two DIEMATIC VM iSystem wall-mounted control systems.

BUS connecting cable - long. 40 m - Package DB 119

This is intended to replace either the 12 m or the 1 m BUS cable when these turn out to be too short.

Legend

3	Safety valve 3 bar
4	Pressure gauge
6	Air separator
7	Automatic air vent
8	Manual air vent
9	Isolation valve
10	3-way mixing valve
11	Electronic heating pump
11a	Electronic heating pump for direct circuit
11b	Electronic heating pump for circuit with mixing valve
13	Flush valve
16	Expansion tank (except MCA 35)
17	Draining valve
18	Heat circuit filling
21	Outside sensor
23	Outlet temperature sensor after mixing valve
24	Primary inlet on the DHW tank exchanger
25	Primary outlet on the DHW tank exchanger
26	Domestic water load pump
27	Non-return valve
28	Domestic cold water inlet
29	Pressure reducer
30	Sealed safety device calibrated to 7 bars (1)
32	(Optional) DHW loop pump
33	DHW temperature sensor
35	Disconnecting cylinder (available as an option - see page 8)
36	Motorised isolating valve
39	Injection pump
44	65°C limiter thermostat with manual reset for underfloor heating
46	3 way-directional valve with motor reversing
50	Disconnector
51	Thermostat valve
61	Thermometer
64	Radiator circuit (gentle heat radiators, for example)
65	Low temperature circuit (underfloor heating, for example)
67	Manual valve
68	Condensates neutralisation system
73	Limiter thermostat
75	Pump for sanitary use
79	Primary outlet of the solar exchanger
80	Primary inlet of solar exchanger
84	Stop valve with releasnon return valve
85	Solar circuit pump
87	Safety valve sealed and calibrated to 6 bars
88	Solar expansion tank
89	Recepient for heat transfer fluid
109	Thermostatic mixing valve for domestic hot water
112a	Collector sensor
112b	Solar tank sensor
114	Solar circuit drainage valve (note: propyleneglycol)
123	Cascade flow sensor (to connect to the slave boiler)
126	Solar regulator
130	Degasser with manual purge (Airstop)
131	Champs de capteurs
132	Station solaire complète avec régulation DIEMASOL
145	Vanne de commande de la batterie de sécurité
146	Module thermostatique de réglage de la température du circuit retour
(1)	mandatory, in compliance with safety directives

De Dietrich