

Equithermal control ACD 03



It is designed to control the hot water system of a heated building. Control of the controller is simple and intuitive thanks to the touch screen. The controller contains functions for direct control of the boiler, boiler circuit, up to three heating circuits, domestic hot water, solar, etc ...

Equithermal control **ATMOS ACD 03/04** is a new control element with a touch color display enabling easy control of the boiler and heating system in an intuitive way according to the latest trends. The ACD 03 and ACD 04 controllers differ in the design of the installation box. The control functions of both controllers are the same.

ATMOS ACD 03 - controller for insertion into the boiler panel

The ACD 03 controller is manufactured in a design that is intended to be inserted into the boiler panel after breaking a pre-prepared hole (from the factory) for the ACD 03 control (dimensions 92 x 138 mm). The controller can also be inserted into a **special SWS 18 box** designed for wall installation.

The controller is able to control the following:

- heating of three heating circuits (eg two circuits classic radiators + one circuit underfloor heating) according to the required room temperature, outdoor temperature (equithermal curves) and depending on the time using three types of room units (sensors) or one boiler circuit and two heating circuits – boiler circuit for maintaining the minimum return water temperature to the boiler 65°C, using a three-way mixing valve with actuator and pump and heating of two heating circuits (eg conventional radiators or underfloor heating) according to the required room temperature, outdoor temperatures (equithermal curves) and as a function of time using three types of room units (sensors)
- domestic hot water (DHW) heating to the required temperature (eg 55°C)
- solar heating via solar collectors
- optimal charging and discharging of accumulation tanks according to customer requirements
- automatic switching of operation of two heat sources (boilers), eg wood and natural gas / wood and pellet boilers
- complete operation of the boiler based on the needs of the heating system, including the exhaust fan
- automatic wood ignition

Electronic control **ATMOS ACD 03** is supplied as a **set** including the necessary sensors and connection terminal block for easy installation in the boiler panel:

Equithermal control set designed for pellet boilers (without flue gas sensor) ATMOS ACD 03 – order code S0103

Set composition / Name	Production designation	Number in set	Measuring range	The cable length
Equithermal controller with touch screen and relay module – Complete (A + B)	ATMOS ACD 03	1	–	–
Connector set	SCS34	1	–	–
Outdoor temperature (AF) sensor – wired	AF20-B65	1	-40... +70	0 m
Boiler temperature sensor (WF) – silicone	KTF20-65-2M	1	-20... +110	2 m
Heating system contact sensor (VF) – wired – PVC	SF20-B54	3	0... +110	4 m
DHW sensor (SF) Storage tank sensor (PF / FPF) – PVC	KTF20-65-5M-B	3	-20... +110	5 m



ACD 03 controller



The ACD 03 control is intended for additional installation in the boiler panel.



SWS 18 box in dark gray or white