



## Specifica Service IT Advanced Boiler Managment - ABM01

Firmware "02"

Ferroli: ABM01  
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### ВВЕДЕНИЕ

Плата ABM01 разработана для управления 4 различными типами котлов:

1. Комбинированный котел с быстрым получением горячей воды и битермическим теплообменником
2. Комбинированный котел с быстрым получением горячей воды и монотермическим теплообменником
3. Только отопительный котел с монотермическим теплообменником (с возможностью подключения внешнего бойлера и трехходовым клапаном)
4. Только отопительный котел с монотермическим теплообменником (с возможностью подключения внешнего бойлера и насоса бойлера)

Кроме того, она позволяет управлять 4 различными типами камер сгорания:

1. Закрытая камера с контролем горения (без Прессостата дымовых газов)
2. Открытая камера (с Термостатом дымовых газов)
3. Закрытая камера (с Прессостатом дымовых газов)
4. **Закрытая камера с контролем горения (с Термостатом дымовых газов на рекуператоре)**

Является интегрированной платой розжига и регулирования, под управлением которой работают: Вентилятор, Газовый клапан B&P (со встроенным модулирующим устройством), Насос, Электрод розжига/ионизации, **вход по линии блока конденсата с трансформатором розжига**, Прессостат дымовых газов или Термостат дымовых газов, Реле давления воды, Сдвоенный датчик температуры отопления (Управления и Безопасности), Датчик температуры ГВС, Реле протока ГВС, Наружный термостат и Комнатный термостат или Дистанционное управление (OpenTherm). Предусмотрено подключение к сети переменного тока 230 В через плавкие вставки и соединительный разъем для опциональной платы реле LC32. Плата может работать с частотой напряжения сети 50 Гц или 60 Гц.

Для простоты, различные режимы работы описывают поведение котла с различными параметрами, заданными по умолчанию и без Дистанционного управления (опционально).

### ПЛАТА РЕЛЕ LC32

Является релейной платой, которая коммутируется с платой ABM01 (разъем X5); может выполнять различные функции в зависимости от типа котла, для которого была сконфигурирована плата ABM01:

1. Комбинированный котел с быстрым получением горячей воды и битермическим теплообменником  
Плата LC32 устанавливается в случае необходимости управлять внешним газовым клапаном, электрическим клапаном подачи воды в установку либо внешним трехходовым клапаном для контура ГВС при подключении солнечных панелей.

2. Комбинированный котел с быстрым получением горячей воды и монотермическим теплообменником  
Плата ABM01 не оснащена выходом для управления трехходовым клапаном, поэтому плата LC32 должна быть установлена для работы: ввиду того, что должно подаваться питание на электродвигатель трехходового клапана (230 В переменного тока), необходимого для разделения воды между контуром отопления и ГВС (пластинчатый теплообменник).

3. Только отопительный котел с монотермическим теплообменником (с возможностью подключения внешнего бойлера и трехходовым клапаном)

Плата ABM01 не оснащена выходом для управления трехходовым клапаном, поэтому, задав режим Eco (Экономия) или имитируя (через резистор) температуру датчика ГВС больше максимального значения настройки (параметр P09, по умолчанию 65°C), можно считать, что котел работает только как отопительный котел.

Установив плату LC32 можно управлять электродвигателем трехходового клапана (230 В переменного тока), необходимого для разделения воды между контуром отопления и ГВС (змеевик бойлера); можно считать, что котел работает как комбинированный котел с внешним бойлером.

В случае если необходимо преобразовать только отопительный котел в комбинированный котел с внешним бойлером, также необходимо установить опциональный датчик бойлера.

4. Только отопительный котел с монотермическим теплообменником (с возможностью подключения внешнего бойлера и насоса бойлера)

Как в предыдущем случае, но в применении к насосу бойлера.

# 20gsxr 6service Manual

**Katrin Zwirgmaier**



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