

Product Update

ALL-IN-ONE.NT Controller

Product Discontinuation and Replacement

MOTORTECH announced the discontinuation of the ALL-IN-ONE.NT Controller. Available: until **December 31, 2021**, depending on remaining stock. Last order possibilities of the device are given until **February 28, 2021**.

The ALL-IN-ONE.NT Controller will be replaced by the new AIO.GAS controller as state-of-the-art gen-set controller.

ALL-IN-ONE.NT



General Features ALL-IN-ONE.GAS

- Predefined and adjustable functions for gas engine driven generator sets
- Large built-in Soft PLC for individual requirements and design of sophisticated applications like CHP (Cogeneration)
- SIL2 certification for selected channels
- Compliant to grid code requirements including VDE-AR-N 4105, VDE-AR-N 4110, BDEW directives and United Kingdom G99*
- Support of a wide range of applications – Operation of single or multiple gas engines in island or mains parallel operation
- Power management function including new mode of effective engine run in mains parallel operation
- Plug&Play support of ALL-IN-ONE.Vision displays
- Automatic synchronization and power control (via speed governor or ECU)
- Event-based history with user selectable list of stored values; Real Time Clock (RTC); statistic values
- Overspeed and emergency stop detection

ALL-IN-ONE.GAS



Ordering Information

P/N	Supersedes	Description
63.50.096	63.50.102, 63.50.102-HSS,	ALL-IN-ONE.Gas Controller – universal gen-set controller (incl. AFR control ¹⁾ and AirGate® technology)

¹⁾ Requires hardware dongle P/N 63.50.061 or 63.50.062 for activation.

* In combination with mains decoupling relay P/N 63.50.139 – Type tested (TT) compliance according ENA EREC G99

DISTRIBUTION

Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	No
MOTORTECH subsidiaries	Yes

Product Update

Compatibility

The AIO.GAS is supporting all AIO extension modules, provided by MOTORTECH and the following displays

- 63.50.105 – ALL-IN-ONE.Vision5 display – 5.7 in color display unit for ALL-IN-ONE.NTC and ALL-IN-ONE.GAS controllers
- 63.50.101 – ALL-IN-ONE.Vision8 display – 8.0 in color display unit for ALL-IN-ONE.NTC and ALL-IN-ONE.GAS controllers
- 63.50.097 – ALL-IN-ONE.Vision12 display – 12.0 in color touch display unit for ALL-IN-ONE.NTC and ALL-IN-ONE.GAS controllers
- 63.50.129 – ALL-IN-ONE.Vision18 display – 18.5 in color touch display unit for ALL-IN-ONE.NTC and ALL-IN-ONE.GAS controller

The AIO.GAS is **not** supporting the following items:

- ECON3 Speed Controller → use: SC100 Speed Control 63.50.114
- 63.50.103 – ALL-IN-ONE.NT display

Restrictions

- Both controller have different firmware. It is not possible to “copy” the settings 100 percent if a one-on-one replacement is needed.
- The AFR functionality is slightly different.
- A service technician or trained person is required to set-up the controller. This may take 1/2 to 1 day effort.
- It can't be used the same ECU list. Every controller has own ECU list versions.
- ECU 1.1 can be used with AiO.GAS 1.2 firmware. AiO.GAS firmware 1.5 or newer is no longer compatible with ECU 1.1.
- Certification: AIO.GAS firmware 1.2.0.7 is identical to AIO.NTC firmware 2.2 and 2.3.1.

Dimensions

- AIO.GAS (length x width x height): 223 mm (8.78 in) x 168 mm (6.61 in) x 69 mm (2.72 in)
- AIO.NT (length x width x height): 194 mm (7.64 in) x 125 mm (4.92 in) x 93 mm (3.66 in)

Software

The AIO.GAS requires a different programming file than the AIO.NT. A new programming is necessary.

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