Sales & Service Bulletin

No. 2021/05 | January 27, 2021 | Page 1/2



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.

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.NT



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

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

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Sales & Service Bulletin

No. 2021/05 | January 27, 2021 | Page 2/2



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

Restricitons

- 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 (lenght x width x height): 223 mm (8.78 in) x 168 mm (6.61 in) x 69 mm (2.72 in)
- AIO.NT (lenght 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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