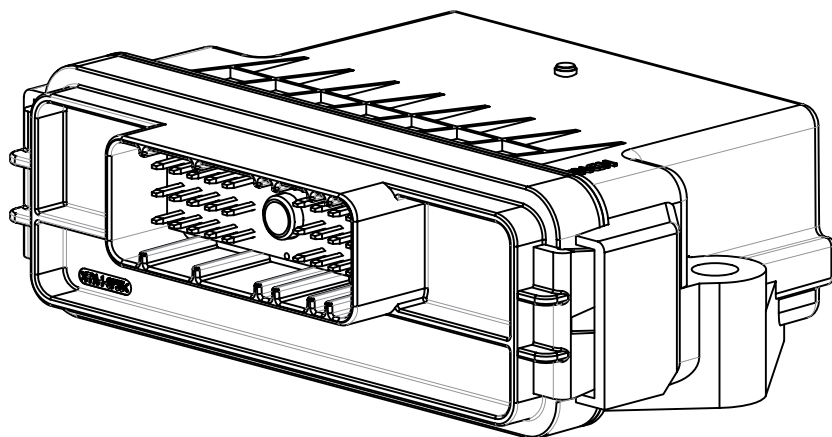




MAECUAMAE011

FARMNAVIGATOR



ECU *Dataseed*

INSTALLATION MANUAL

1. Technical Specifications

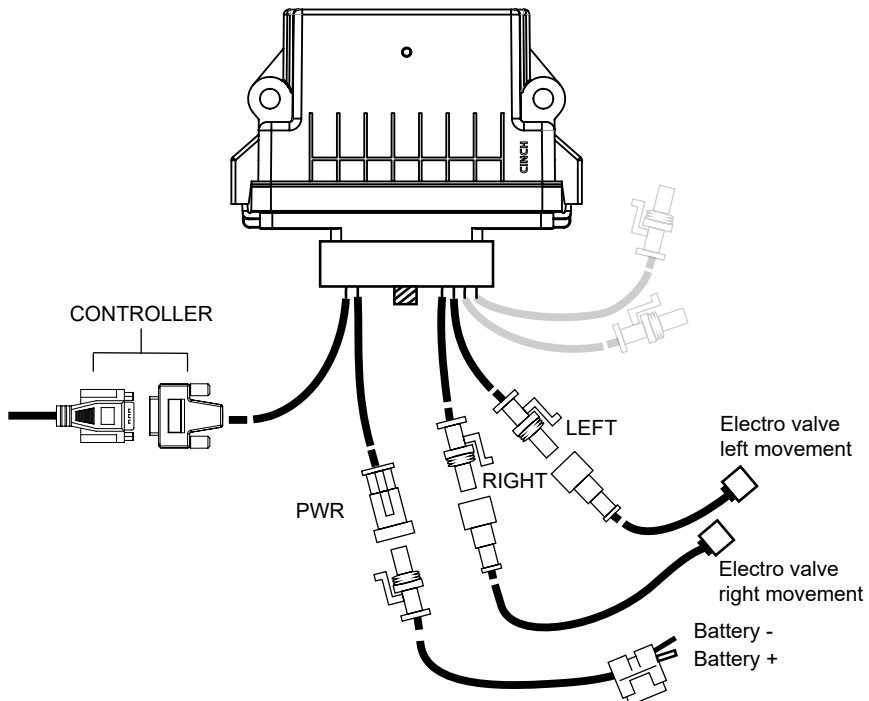
- Dimensions: 130x90x40mm
- Weight: 500g (without main harness)
- Waterproof: IP67
- Supply voltage: 10-35 Vdc
- Operative temperature range: -20°C / +60°C
- Storage temperature range: -30°C / +80°C
- Power consumption: 14A max @ 12Vdc (~ 170 W)
- I/O Connections: 1 x RS232 serial port, 4 x PWM

2. Installation

The ECU Datasheed harness is composed by the following cables:

- CONTROLLER: To be connected to “Controller” port of G7 Datasheed
- RIGHT: To be connected to the hydraulic electro valve, right movement
- LEFT: To be connected to the hydraulic electro valve, left movement
- PWR: power supply
- EV3: not used
- EV4: not used

NOTE: Use a 1/4 inch nut driver to fix the main cable harness connector to the ECU Datasheed.



2.1 Serial port connection

Before connecting the the ECU Dataseed CONTROLLER cable to G7 Dataseed, make sure both devices are switched off. No other settings are necessary.

2.2 Connection to hydraulic electro valves

Before connecting the RIGHT and LEFT connection cables to the implement, make sure ECU Dataseed is switched off.

WARNING: The shifting mechanism could move suddenly and cause severe injury or death.

ECU Dataseed can control the coils of the electro-hydraulic valves which are under these limits:

- Nominal voltage: 12V DC
- Max current: 3.15A (each coil)

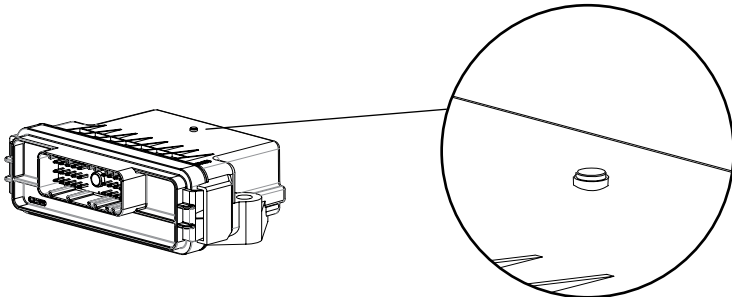
2.3 Power supply connection

The connection of the power cable to the battery must be done carefully. Please refer to a professional technician. The following instructions shall be considered:

- The positive (red wire) must be under switch
- The negative (black wire) must be connected to a clear and pure negative. Do not connect the negative pole to oxidized or painted metallic parts
- The power supply must be able to provide at least 10A (in case of RIGHT and LEFT only). Do not connect the device to weak or unstable sources
- Do not connect the positive (red wire) to the starter motor
- Do not route the wires near the starter motor or near any other magnetic source

ATTENTION: power off the device when it is not used.

3. LED Status



Color	Status	Detail
Blue solid	Automatic mode	Communication with G7 Dataseed is stable. The actuators connected to RIGHT and LEFT are moving in automatic mode.
Green solid	Manual mode	Communication with G7 Dataseed is stable. The actuators connected to RIGHT and LEFT can be moved in manual mode.
Pink blinking	Communication error	Communication with G7 Dataseed is not established.

4. Simplified EU declaration of conformity

Hereby, AvMap Srl, Viale Zaccagna 6, 54033 Carrara (MS), Italy declares that the radio equipments in the following table are in compliance with Directive 2014/53/EU.

ECU Dataseed	UX0DTS00AM
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The full text of the EU declaration of conformity is available at the following internet address: eudeclaration.avmap.it

5. Safety Information

The Manufacturer and the system installer disclaim any responsibility for damage or physical harm caused by failure to adhere to the following safety requirements:

- A. To prevent the accidental engagement of the ECU Dataseed system and loss of vehicle control, shut down the ECU Dataseed system while driving on roads. Never drive on roads or in public areas with the ECU Dataseed system powered up.
- B. Always shut off the vehicle when working around the implement or vehicle itself. The shifting mechanism could move suddenly and cause severe injury or death.
- C. The ECU Dataseed must be powered OFF when installing or removing the ECU Dataseed or any other part of the system.

ATTENTION: after the installation of the ECU Dataseed system, verify that all the screws, bolts, nuts, and cable connections are tight. Verify that all the cables and hoses have been secured to prevent them from being damaged.

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