Scheda

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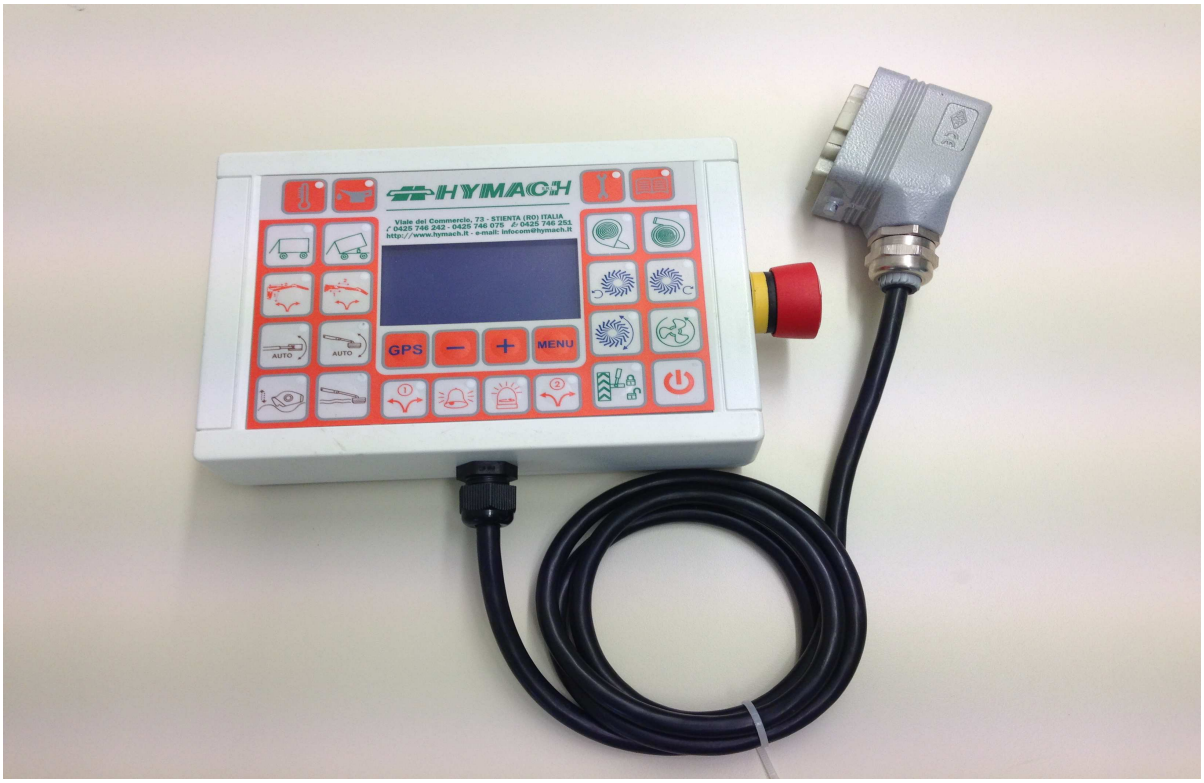
Terminal Mini

Operator panel for vehicles with operational functions or operational means

Terminal Mini is an operator panel for man-machine interfacing (HMI: Human Machine Interface), dedicated to vehicles with operational functions or operational means. It can be customized according to specific needs. It has a graphic display with a blue led backlighting and around it a keypad can be accomodate, with push-buttons, and lights, by utilizing the required graphics and logo. On the graphic display it is possible to visualize any kind of drawing or diagram or text message and make work screens tailored to machine functions.
It is equipped with 15 matrix inputs for push-buttons and 12 digital outputs for lights 20 mA.
There is the availability of an incremental option, with a different configuration and a different, which allows to increase up to 24 the matrix inputs for push-buttons and up to 24 the digital outputs for lights. There is also the availability of an other incremental option, through an additional electronic card plug-in, with 3 digital ratiometric inputs on/off, 1 analogical input and 4 power digital outputs 5A maximum.
The whole system in contained in an ergonomic case with rubber inserts, which is very practical to handle or to be attached to the vehicle through a set of interchangeable accessories (mounting on glass, dashboard and so on). On the top of the case an emergency button can be installed and connected.
Through the interfacing with the CAN-Bus line of the vehicle it can send or receive information to or from the electronic on-board control unit or act as vehicle controller.



Dimensions: 155 x 96 x 40 mm
Display dimensions: 68 x 35 mm





- Operational and user programs totally upgradable.
- Graphic display with blue led backlighting.
- Matrix inputs for push-buttons.
- Digital outputs for lights, with protection against over current, over temperature and short circuit.
- CAN-Bus interfacing.
- Two incremental options available.

Working conditions

Operational supply voltage:	**12 - 24V**
Operational absorption:	**< 0,5A**
Working temperature:	**0°C - +60°C**

Inputs and outputs

Matrix inputs for push-buttons:	**15**
Digital outputs for lights 20mA:	**12**

Incremental option, with different configuration and container:

Matrix inputs for push-buttonsi:	**up to 24**
Digital outputs for lights 20mA:	**up to 24**

Other incremental option, with additional electronic card plug-in:

Digital ratiometric inputs on/off:	**3**
Analogical inputs 10 bit resolution:	**1**
Power digital outputs 5A max:	**4**

CAN-Bus and communication door

CAN-Bus channel:	**FULL CAN 2.0 A e B**
Protocol standard:	**SAE J1939 o CAN Open**
Maximum speed:	**500 Kbit/sec.**
Communication door:	**USB**

Processing and display

Microprocessor:	**16 bit**
Operational rate:	**24 MHz**
Flash memory program:	**64 Kbytes**
Monochromatic graphic display:	**128x64 pixel**

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