



## Hydropan with Alarm Kit

## 1. Product Information

ETNA Control Panel is used to control and display modes, faults of two pump booster systems, has 2\*16 character LCD display and uniquely designed electronic main board and display module. The panel has General Fault / No Water / Phase Fault warning leds, Up / Down buttons enabling surfing into the menus, Automatic / Test buttons used to control each pump, Pressure Switch, Pump Operation and Automatic Run Mode warning leds, as well as Reset, Cancel and Approval buttons. System parameters can be set easily using Approval/Cancel/Up/Down buttons on related Settings menus.

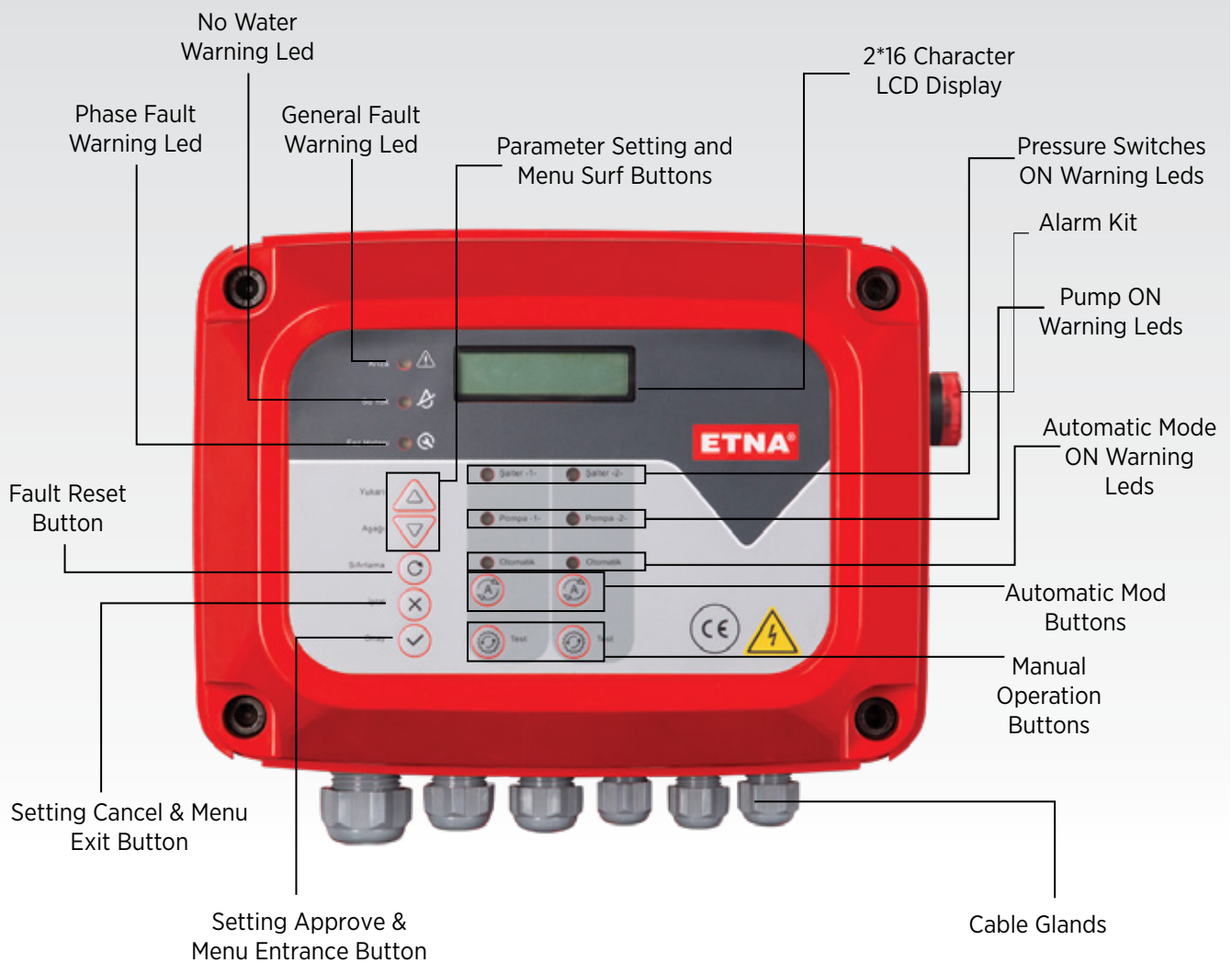


Figure 1. Control Panel-External View

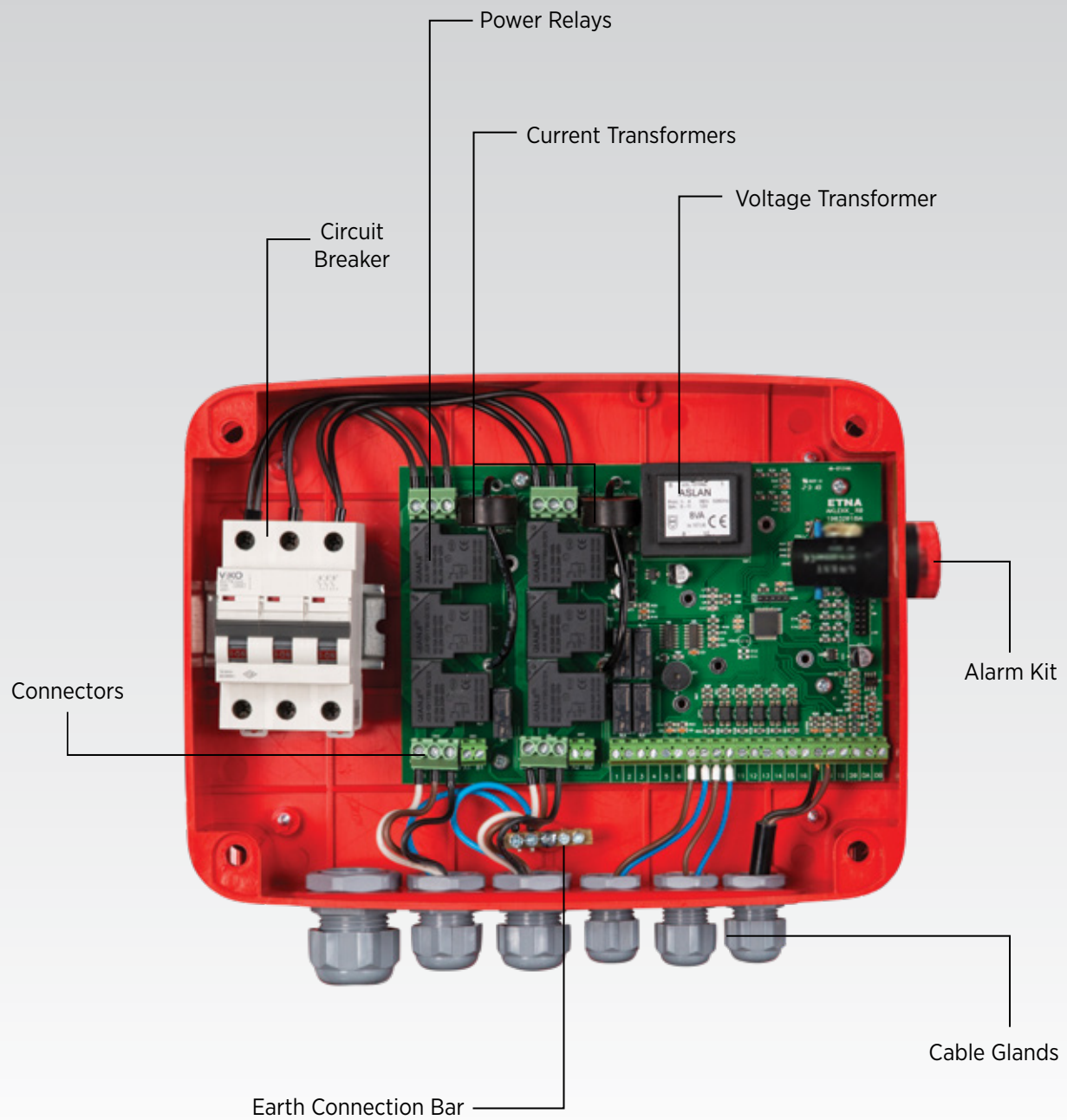


Figure 2. Control Panel-Internal View

## 2. Technical Specifications

- 8 bit microcontroller based design
- 16 Mhz clock frequency
- 2x16 character white LCD display
- Date & Time display on screen
- 3 phase voltage measurement and display on screen
- High Voltage Protection Setting
- Pump running and fault modes display
- Pump running currents display on screen during operation
- Adjustable High & Low Current Protection parameter
- Adjustable High & Low Current Protection duration
- Reset on current faults
- Automatic and Manual Operation modes
- Manual operation using Test buttons
- Dry running protection with floater
- Additional dry running protection using minimum current protection algorithm
- Display all faults on screen
- Audible fault warning with buzzer
- Display pump running time on screen
- Cyclic change-over with real time
- Password protection against unauthorized intervention
- Fault history logs up to 24 faults including occurrence date and time
- Alarm kit activated by solenoid valve output during weekly test

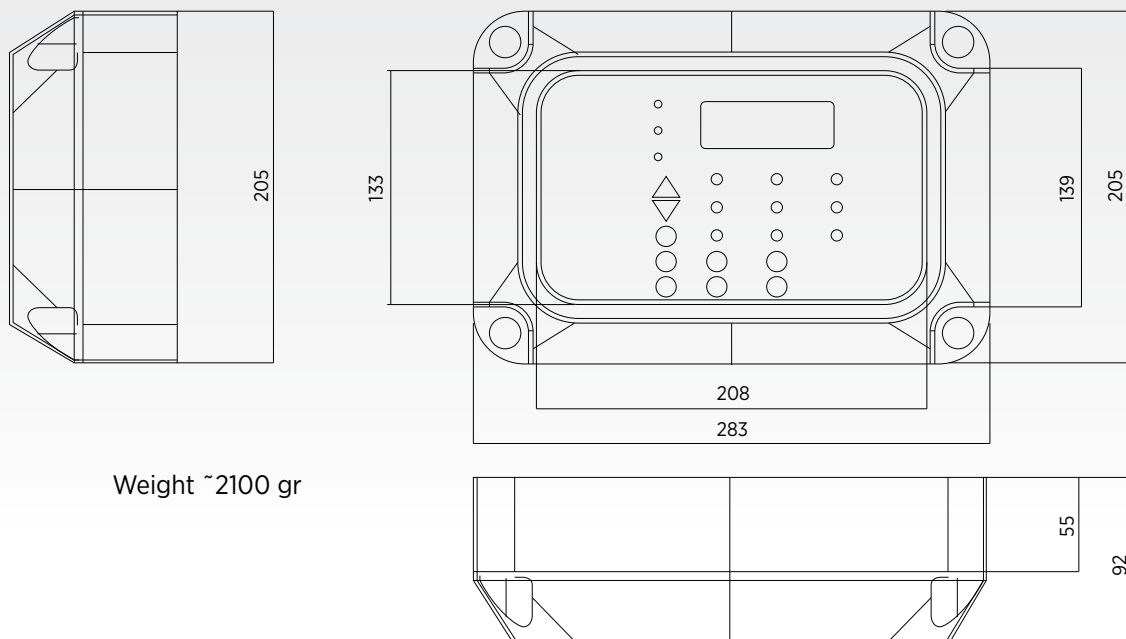


Figure 3. Control Panel Dimensions



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