

EP BASIC 1-2

ELECTRONIC CONTROL PANEL FOR 1 OR 2
SINGLE-PHASE OR THREE-PHASE PUMPS



MADE IN ITALY

EP BASIC 1-2



EP BASIC is suitable for both **clean water** and **wastewater** systems. With new expansions and connections, the panel offers a wide range of applications and enhances system capabilities.

Compact, very easy to install and program, even via an app, **it simplifies the replacement of old installed panels.**

COMPETITIVE

The panel with multiple applications competitive in the market.

INTUITIVE

Maximum ease of setup and use.

ANTI-SEIZURE

Pump unlocking function to prevent unwanted blocks.

MAXIMUM CONTROL

Integrates the most complete system protections.

MAIN FEATURES:

- LED on the front panel for operating status and alarm signals
- Self-test (anti-seizure can be disabled)
- Dry-run protection using: level probes, floats, or pressure switches
- Thermal pad inputs with automatic reset (can be disabled)
- Input inversion (from normally open to normally closed)
- Latching control for start/stop floats (can be disabled)
- Selectable delay for amperometric protection
- Automatic reset for minimum current alarm (can be disabled)
- Activation delay after network recovery (can be disabled)
- Setup for operating capacitors for single-phase version (not included)
- AUTOMATIC - 0 (Standby) - MANUAL (fixed or pulse) operation buttons
- Up to 4 command inputs: floats/pressure switches
- Manual button operation (fixed or momentary)

VERSIONS:

- Single-phase 100-240Vac 50/60Hz
- Three-phase 310-450Vac 50/60Hz

CONTROLS:

- Electronic control of maximum current with guided calibration
- Electronic control of minimum current (dry-run) with guided calibration
- Control of missing or incorrect phase sequence in power supply (can be disabled)

ALARMS:

- Alarms indicated: voltage status, levels, motor overload, minimum motor current, motor thermal pad
- General alarm output contacts

PROTECTIONS:

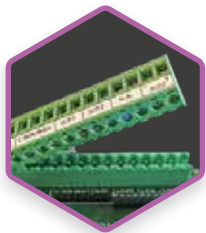
- Auxiliary and motor protection fuses
- General door-lock isolator
- ABS box, IP55



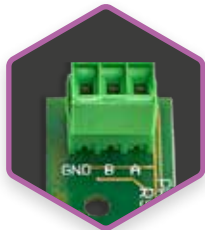
INTEGRATED FEATURES ON EP BASIC 2:

- Motor alternation (can be disabled)
- Immediate motor switching in case of anomaly

EP BASIC 1-2



**REMOVABLE
TERMINAL BLOCK**

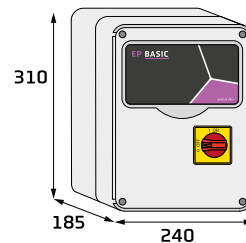


**RS485
(OPTIONAL)**

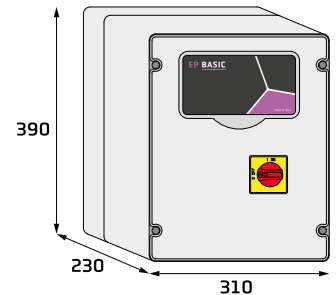


**MODULAR
EXPANDABILITY**

DIMENSIONS [mm]



P.1

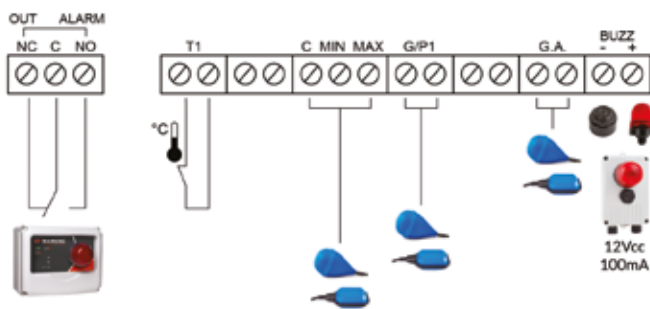


P.2

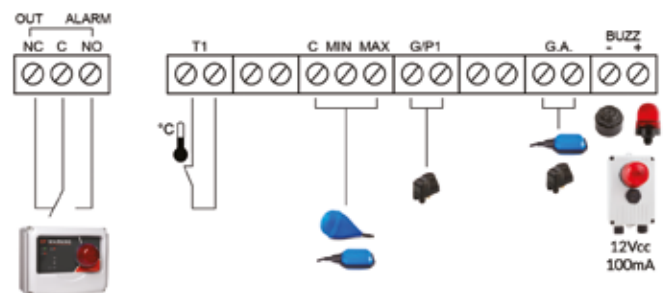
EP BASIC 1

Model	Voltage	Power		Current		Box		Weight [kg]
		kW	HP	Range	Max	P.	Material	
EP BASIC 1-1~/2,2	1~230 V	2,2	3	2-18 A	18 A	1	Plastic	1.5
EP BASIC 1-3~/7,5	3~400 V	7,5	10	2-16 A	16 A	1	Plastic	2.3
EP BASIC 1-3~/11	3~400 V	11	15	16-25 A	25 A	1	Plastic	2.5
EP BASIC 1-3~/15	3~400 V	15	20	16-32 A	32 A	1	Plastic	3

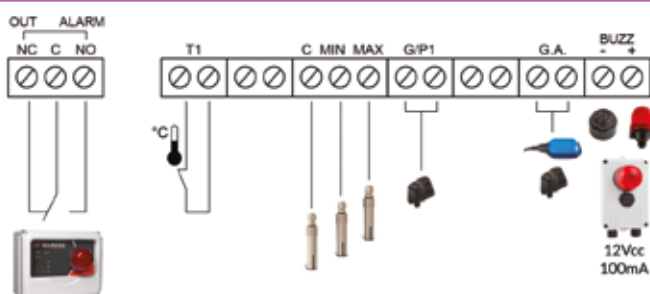
CONNECTION TYPE 1:



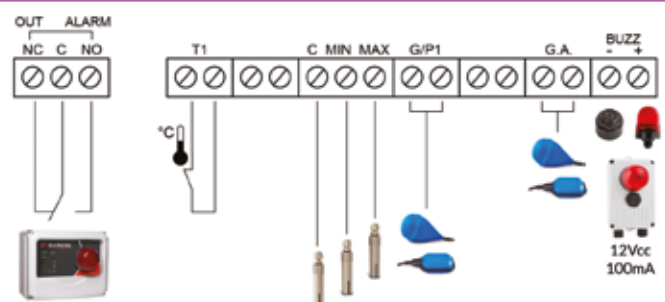
CONNECTION TYPE 2:



CONNECTION TYPE 3:



CONNECTION TYPE 4:

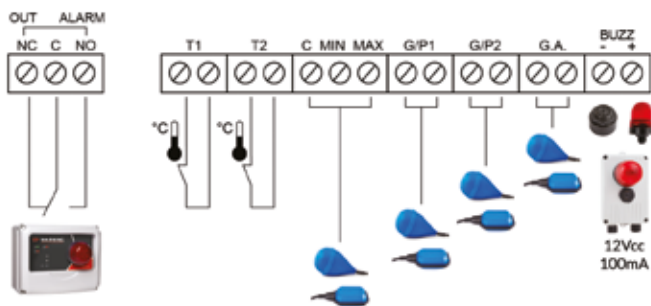


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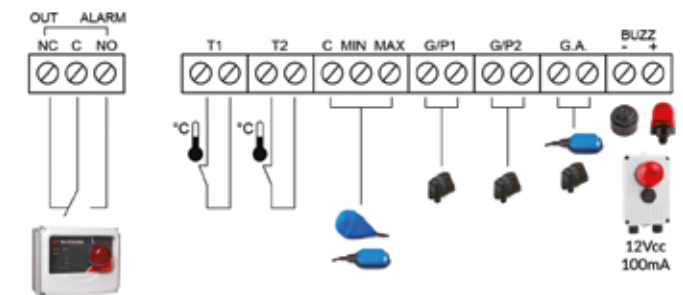
EP BASIC 2

Model	Voltage	Power		Current		Box		Weight [kg]
		kW	HP	Range	Max	P.	Material	
EP BASIC 2-1~/2,2	1~230 V	2,2	3	2-18 A	18 A	1	Plastic	1.5
EP BASIC 2-3~/7,5	3~400 V	7,5	10	2-16 A	16 A	1	Plastic	2.5
EP BASIC 2-3~/11	3~400 V	11	15	16-25 A	25 A	2	Plastic	3
EP BASIC 2-3~/15	3~400 V	15	20	16-32 A	32 A	2	Plastic	3.5

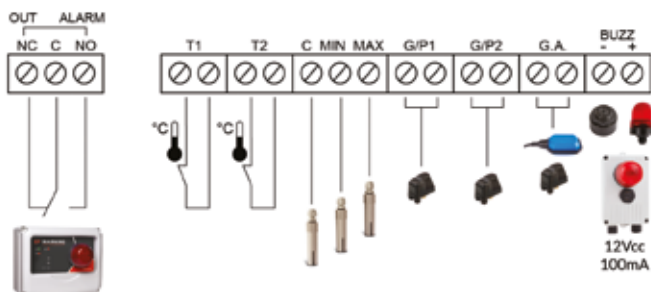
CONNECTION TYPE 1:



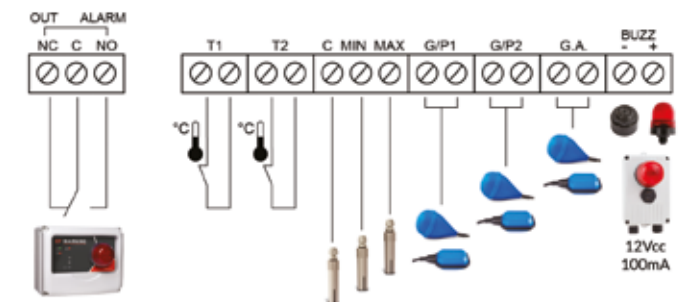
CONNECTION TYPE 2:



CONNECTION TYPE 3:



CONNECTION TYPE 4:



OPTIONAL (available on request)

Acoustic alarm 90 dB 12Vdc
Flashing alarm lamp 12V AC/DC
Daily timer with tabs
Digital weekly timer
Work pause timer
External control in 24Vac for user activation/deactivation
External control in 230Vac for user activation/deactivation

ACCESSORIES

PROXPS RS485 Modbus Module
PRO-SL Level Probe Module
PRO-SL H2O Oil Chamber Infiltration Module
PRO-6DO Clean Contact BMS Module
PRO-DBT Backup Battery Module
Bluetooth Module for PROXPS App

SQUARE D pressure switch 4.6 IP20 F1/4 1.4-2.8 M NC
SQUARE D pressure switch 7 IP20 F1/4 4.3-5.4 M NC
TELEMECANIQUE pressure switch 6 IP54 F1/4 1.8-4.8 M NC
TELEMECANIQUE pressure switch 6 IP54 F1/4 1.8-4.8 NO/NC
TELEMECANIQUE pressure switch 6 IP54 F1/4 1.8-4.8 T NC
SQUARE D pressure switch 10.5 IP20 F1/4 4.3-5.4 M NC
TELEMECANIQUE pressure switch 12 IP54 F1/4 3.6-10.3 M NC

K3SL kit 3 level probes without cable
Key float 5 m PVC with counterweight
Key float 10 m PVC with counterweight
Key float 20 m PVC with counterweight
Taurus float H07RNF 8.8 GTAH3x106GG01 6 m
Taurus float H07RNF 8.8 GTAH3x110GG01 10 m
Taurus float H07RNF 8.8 GTAH3x115GG01 15 m
Taurus float H07RNF 8.8 GTAH3x120GG01 20 m
EBARA float RNC-1002 10 m

SPECIAL EXECUTIONS (Available on Request):

IP65 fiberglass enclosure with single door
IP65 fiberglass enclosure with double blind door
IP65 metal enclosure with double blind door
IP65 fiberglass enclosure with double transparent door
IP65 metal enclosure with double transparent door
Hollow column with floor mounting

rev. B 06/2025

ELENTEK exclusively for EBARA

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