express PRO

FACILITÀ INSTALLAZIONE

INTERFACCIA UTENTE

ESPANDIBILITÀ

VERSATILITÀ

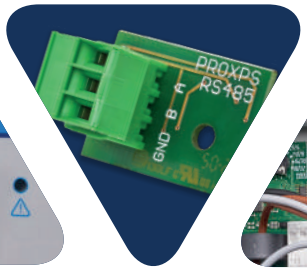
L'espressione della completezza?

express PRO

EXPRESS PRO si conferma, anche in questa nuova versione, il quadro più completo, versatile e pratico della gamma Elentek. Con l'interfaccia utente semplice ed immediata, le **6 modalità preimpostate** di utilizzo e le molteplici applicazioni, Express Pro si è ancor più evoluto con ulteriori opzioni di connettività, controllo ed espandibilità.



STORICO ALLARMI



RS485 (Optional)



ESPANDIBILITÀ MODULARE



FLESSIBILITÀ

Ulteriori possibilità di applicazioni grazie anche all'ingresso analogico

SEMPRE PRESENTE

Grazie al display multilingua ogni operazione viene visualizzata

ANTIGRIPPAGGIO

Programmazione personalizzabile per evitare blocchi indesiderati

MASSIMA MODULARITÀ

Sistema implementabile fino a 4 pompe

APPLICAZIONI

- PRESSURIZZAZIONE
- RIEMPIMENTO
- SVUOTAMENTO
- DRENAGGIO

CONNETTIVITÀ

- MODULO PRESENZA ACQUA IN CAMERA OLIO
- MODULO BATTERIA IN TAMPONE
- MODULO BMS CONTATTI PULITI
- MODULO BLUETOOTH PER APP
- MODULO SONDE DI LIVELLO
- MODULO RS485 MODBUS

CARATTERISTICHE PRINCIPALI

FUNZIONI

- Display LCD per visualizzazione e programmazione: tensione, corrente, cos-fi, ore di lavoro, n° avviamenti, stato motori, allarmi, segnale analogico e soglie
- Pulsanti funzionamento AUTOMATICO- 0 (standby) – MANUALE (fisso o a impulso)
- Impostazioni lingua (italiano, inglese, francese, spagnolo, tedesco)
- Autoprova antigrippaggio (programmabile)
- Protezione marcia a secco con: sonde di livello/ galleggianti/ pressostati e minima corrente
- Fino a 6 ingressi comando: galleggianti/ pressostati
- Ingresso per segnale analogico 4-20 mA o 0-10V
- Unità di misura segnale analogico cm – m – bar
- Ingressi start e stop di emergenza con modalità funzionamento segnale analogico (escludibile)
- Ingressi pastiglie termiche clicson con reset automatico (escludibile)
- Inversione ingressi (da normalmente aperti a normalmente chiusi)
- Ripristino automatico per allarme minima corrente con 4 tempi programmabili
- Ritardo attivazione da rientro rete (escludibile)
- Funzionamento pulsante manuale (fisso o momentaneo)
- Predisposizione per condensatori di marcia per versione monofase (non inclusi)

FUNZIONI AGGIUNTIVE EXPRESS PRO 2-3-4

- Alternanza motori (escludibile)
- Scambio motore immediato in caso di anomalia

VERSIONI

- Versione monofase 100-240Vac 50/60Hz
- Versione trifase 310-450Vac 50/60Hz

CONTROLLI

- Controllo elettronico minima e massima tensione
- Controllo elettronico massima corrente motori
- Controllo elettronico minima corrente motori (marcia a secco)
- Controllo mancata o errata sequenza fasi in ingresso alimentazione (escludibile)

ALLARMI

- Allarmi segnalati: stato tensione, livelli, sovraccarico motore, minima corrente, clicson motore
- Storico allarmi
- Allarme troppi avviamenti/ora (impostabile)
- Contatti uscita allarme

PROTEZIONI

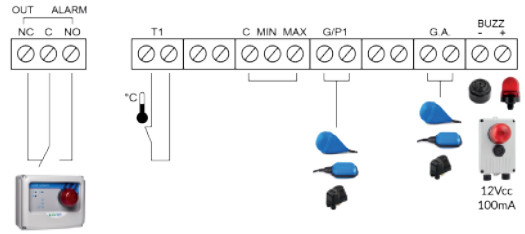
- Fusibili di protezioni ausiliari e motore
- Sezionatore generale blocco-porta (se previsto)
- Box in ABS, IP55

MODELLI E SCHEMI DI COLLEGAMENTO

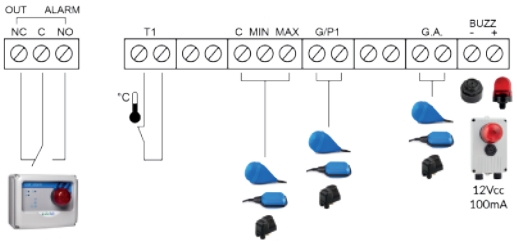
express PRO 1

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
11630NB	EXPRESS PRO 1-Mono senza bloccoporta	1~230 V	2,2	3	0-18 A	18 A	P1	Plastico	1.2
11630	EXPRESS PRO 1-Mono	1~230 V	2,2	3	0-18 A	18 A	P2	Plastico	1.5
11633	EXPRESS PRO 1-Tri/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastico	2.3
11634	EXPRESS PRO 1-Tri/11	3~400 V	11	15	16-25 A	25 A	P2	Plastico	2.5
11635	EXPRESS PRO 1-Tri/15	3~400 V	15	20	16-32 A	32 A	P2	Plastico	3

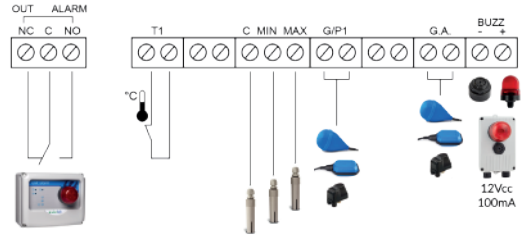
Tipologia di collegamento 1



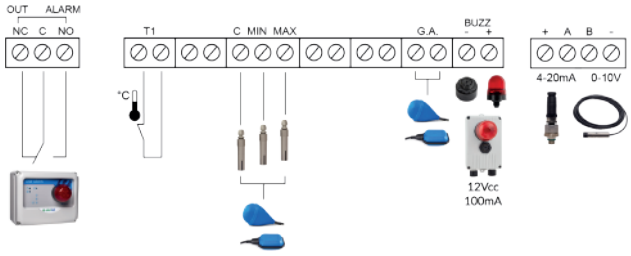
Tipologia di collegamento 2



Tipologia di collegamento 3



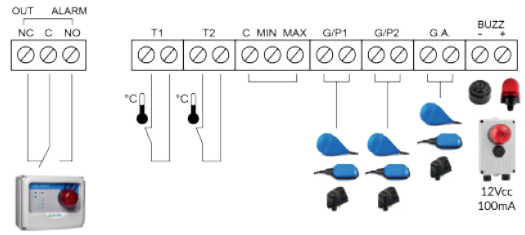
Tipologia di collegamento 4



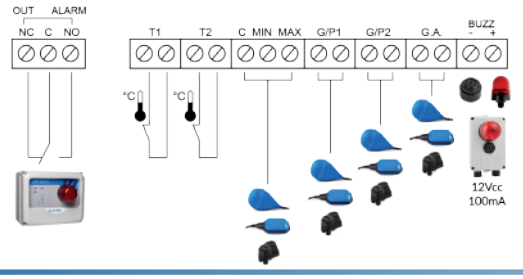
express PRO 2

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
12630NB	EXPRESS PRO 2-Mono senza bloccoporta	1~230 V	2,2	3	0-18 A	18 A	P1	Plastico	1.2
12630	EXPRESS PRO 2-Mono	1~230 V	2,2	3	0-18 A	18 A	P2	Plastico	1.5
12633	EXPRESS PRO 2-Tri/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastico	2.5
12634	EXPRESS PRO 2-Tri/11	3~400 V	11	15	16-25 A	25 A	P3	Plastico	3
12635	EXPRESS PRO 2-Tri/15	3~400 V	15	20	16-32 A	32 A	P3	Plastico	3.5

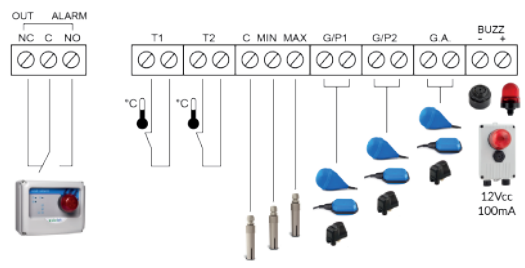
Tipologia di collegamento 1



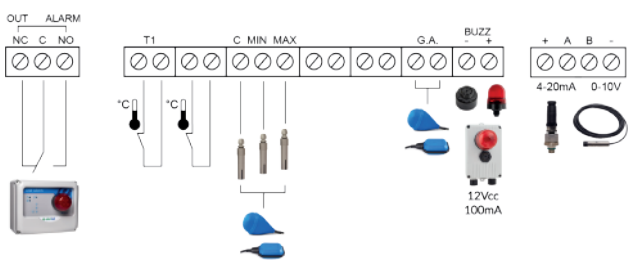
Tipologia di collegamento 2



Tipologia di collegamento 3



Tipologia di collegamento 4



ACCESSORI

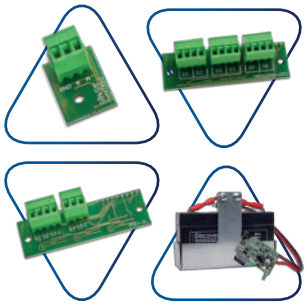
Codice	Modello	Descrizione
98007	K3SL	Kit 3 sonde (elettrodi) di livello
99050	PM/5	Pressostato 1-5 bar
99051	PM/12	Pressostato 3-12 bar
98003.012	AA-12Vdc	Allarme acustico 90 dB 12Vdc
98004.012	LL-12Vac/dc	Lampada lampeggiante di allarme 12V AC/DC
98022	FE	Fungo d'emergenza
98029	DT	Orologio giornaliero a cavalieri
98030	WT	Orologio settimanale digitale
98032	TPL	Timer pausa/lavoro
98033	CI24Vac	Comando esterno in 24Vac per attivazione/spegnimento utenza
98033A	CI230Vac	Comando esterno in 230Vac per attivazione/spegnimento utenza



ESPANSIONI

Codice	Modello	Descrizione
98102	PRO-XPS	Modulo PROXPS RS485 Modbus
98103*	PRO-SL	Modulo sonde di livello PRO-SL
98104*	PRO-H2O	Modulo presenza acqua in camera olio PRO-SL H2O
98105*	PRO-6DO	Modulo BMS contatti puliti
98106	PRO-DBT	Modulo batteria in tampone PRODBT
98107	PRO-BT	Modulo bluetooth per App PROXPS-BT

*È possibile scegliere solo 1 tra le espansioni: 98103 / 98104 / 98105

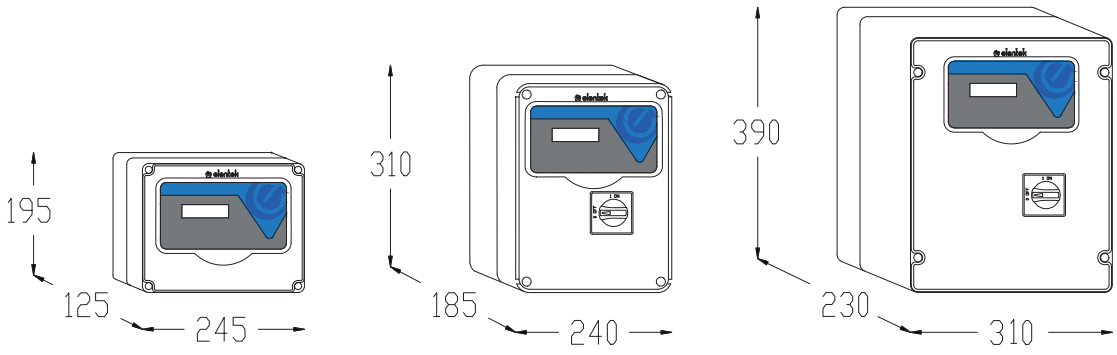


PRODOTTI CORRELATI

Codice	Modello	Descrizione
99034	FLO 10	Galleggiante con cavo in neoprene lunghezza 10 m
99036	DROP 10	Galleggiante ad assetto variabile con cavo in neoprene lunghezza 10 m
99039	SHELL	Contrappeso in polipropene per galleggianti
01503	FLASH 12	Quadro di allarme acustico/visivo
01500	UNIT ALARM 1	Quadro di allarme acustico con batteria in tampone
01501	UNIT ALARM 2	Quadro di allarme acustico/visivo con batteria in tampone
01502	UNIT ALARM GSM	Quadro di allarme acustico/visivo con batteria in tampone e kit GSM
98044	TP010B	Trasduttore di pressione 0-10Bar 4-20mA
98045	TP016B	Trasduttore di pressione 0-16Bar 4-20mA
97007	E-KIOSK	Colonnina portaquadro in polietilene
pag. 72	MANIFOLD	Collettori in acciaio inox
99009	BASE FULL	Base per gruppi di pressione a 2 pompe orizzontali e verticali



DIMENSIONI



P1 P2 P3

MODELLI

express PRO 3

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
13630	EXPRESS PRO 3-Mono	1~230 V	2,2	3	0-18 A	18 A	P3	Plastico	5
13633	EXPRESS PRO 3-Tri/7,5	3~400 V	7,5	10	0-18 A	18 A	M1	Metallico	15
13634	EXPRESS PRO 3-Tri/11	3~400 V	11	15	16-25 A	25 A	M1	Metallico	15
13635	EXPRESS PRO 3-Tri/15	3~400 V	15	20	16-32 A	32 A	M1	Metallico	15

express PRO 4

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
14630	EXPRESS PRO 4-Mono	1~230 V	2,2	3	0-18 A	18 A	P3	Plastico	20
14633	EXPRESS PRO 4-Tri/7,5	3~400 V	7,5	10	0-18 A	18 A	M3	Metallico	25
14634	EXPRESS PRO 4-Tri/11	3~400 V	11	15	16-25 A	25 A	M3	Metallico	25
14635	EXPRESS PRO 4-Tri/15	3~400 V	15	20	16-32 A	32 A	M3	Metallico	25

ACCESSORI

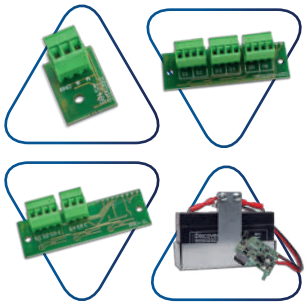
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98032	TPL	Timer pausa/lavoro
98033	CI24Vac	Comando esterno in 24Vac per attivazione/spegnimento utenza
98033A	CI230Vac	Comando esterno in 230Vac per attivazione/spegnimento utenza



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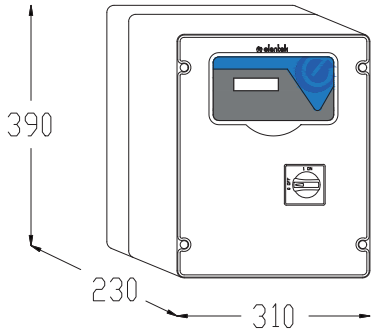


PRODOTTI CORRELATI

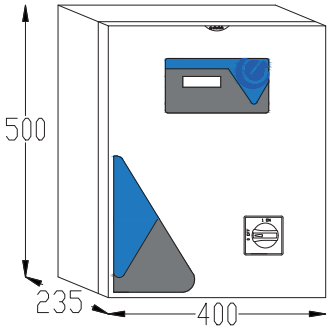
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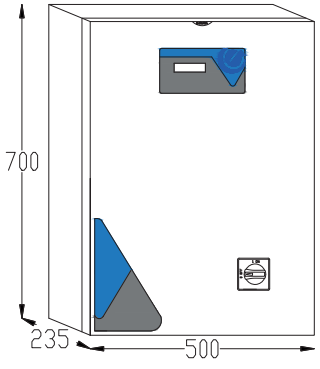
DIMENSIONI



P3



M1



M3

express PRO

EASE OF INSTALLATION

USER INTERFACE

SCALABILITY

VERSATILITY

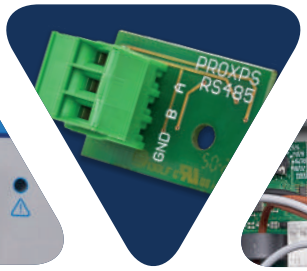
The expression of completeness?

express PRO

EXPRESS PRO confirms itself, even in this new version, as the most complete, versatile, and practical panel in the Elentek range.
With its simple and intuitive user interface, the **6 preset modes of use**, and the many applications, Express Pro has further evolved with additional options for connectivity, control, and expandability.



ALARM HISTORY



RS485 (Optional)



MODULAR SCALABILITY



FLEXIBLE

Further application possibilities also thanks to the analog input

ALWAYS PRESENT

Thanks to the multilingual display, every operation is displayed

ANTI-SEIZURE

Customizable programming to prevent unwanted blockages

MAXIMUM MODULARITY

System expandable up to 4 pumps

APPLICATIONS

- PRESSURIZATION
- FILLING
- EMPTYING
- DRAINAGE

CONNECTIVITY

- WATER PRESENCE MODULE IN OIL CHAMBER
- BMS MODULE WITH CLEAN CONTACTS
- BLUETOOTH MODULE FOR APP
- BACKUP BATTERY MODULE
- RS485 MODBUS MODULE
- LEVEL SENSOR MODULE

MAIN FEATURES

FUNCTIONS

- LCD display for viewing and programming: voltage, current, power factor, operating hours, number of starts, motor status, alarms, analog signal, and thresholds
- Operation buttons: AUTOMATIC - 0 (standby) - MANUAL (fixed or momentary)
- Language settings (Italian, English, French, Spanish, German)
- Anti-seize self-test (programmable)
- Dry-run protection with: level probes/float switches/pressure switches and minimum current
- Up to 6 command inputs: float switches/pressure switches
- Input for analog signal 4-20 mA or 0-10V
- Units of measurement for analog signal: cm – m – bar
- Emergency start and stop inputs with analog signal operation mode (can be excluded)
- Thermal overload contacts with automatic reset (can be excluded)
- Input reversal (from normally open to normally closed)
- Automatic reset for minimum current alarm with 4 programmable delays
- Network return activation delay (can be excluded)
- Manual button operation (fixed or momentary)
- Provision for running capacitors for single-phase version (not included)

ADDITIONAL FUNCTIONS EXPRESS PRO 2-3-4

- Motor alternation (can be excluded)
- Immediate motor swap in case of anomaly

VERSIONS

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

CONTROLS

- Electronic minimum and maximum voltage control
- Electronic maximum motor current control
- Electronic minimum motor current control (dry run)
- Control of missing or incorrect phase sequence in power supply input (can be excluded)

ALARMS

- Alarms reported: voltage status, levels, motor overload, minimum current, motor thermal overload
- Alarm history
- Too many starts/hour alarm (settable)
- Alarm output contacts

PROTECTIONS

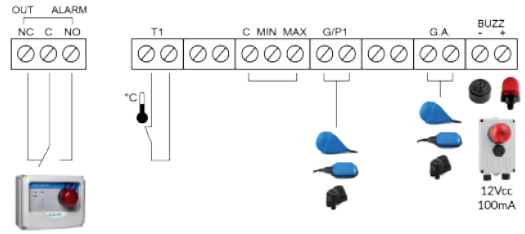
- Auxiliary and motor protection fuses
- Main disconnect switch with door lock (if provided)
- ABS enclosure, IP55

MODELS AND WIRING DIAGRAMS

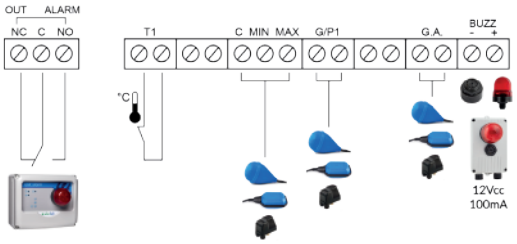
express PRO 1

			Maximum power		Current		Box		W
Code	**Model**	**Voltage**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Material**	**Kg.**
11630NB	EXPRESS PRO 1-1~ without door lock	1~230 V	2,2	3	0-18 A	18 A	P1	Plastic	1.2
11630	EXPRESS PRO 1-1~	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	1.5
11633	EXPRESS PRO 1-3~/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastic	2.3
11634	EXPRESS PRO 1-3~/11	3~400 V	11	15	16-25 A	25 A	P2	Plastic	2.5
11635	EXPRESS PRO 1-3~/15	3~400 V	15	20	16-32 A	32 A	P2	Plastic	3

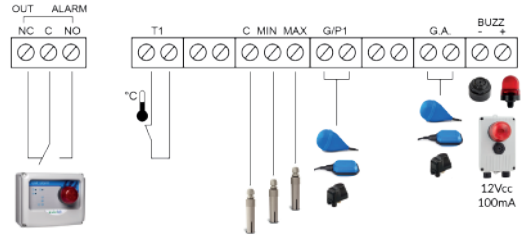
Type of connection 1



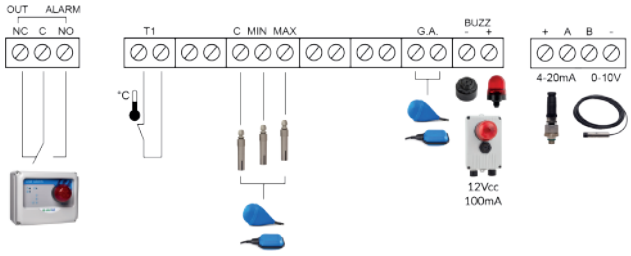
Type of connection 2



Type of connection 3



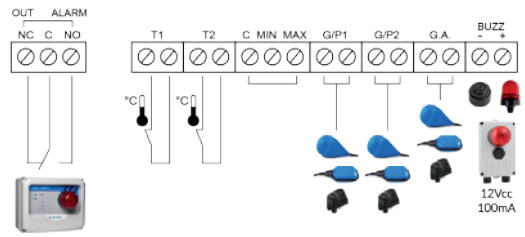
Type of connection 4



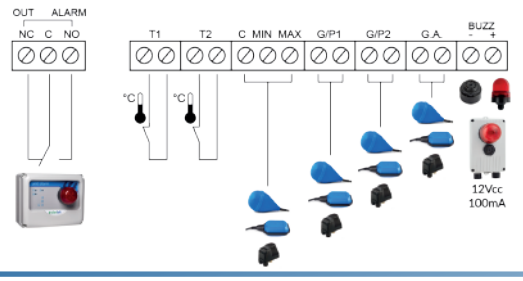
express PRO 2

			Maximum power		Current		Box		W
Code	**Model**	**Voltage**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Material**	**Kg.**
12630NB	EXPRESS PRO 2-1~ without door lock	1~230 V	2,2	3	0-18 A	18 A	P1	Plastic	1.2
12630	EXPRESS PRO 2-1~	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	1.5
12633	EXPRESS PRO 2-3~/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastic	2.5
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12635	EXPRESS PRO 2-3~/15	3~400 V	15	20	16-32 A	32 A	P3	Plastic	3.5

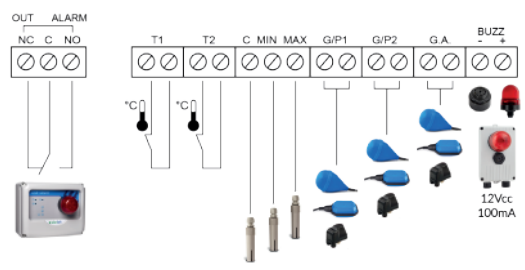
Type of connection 1



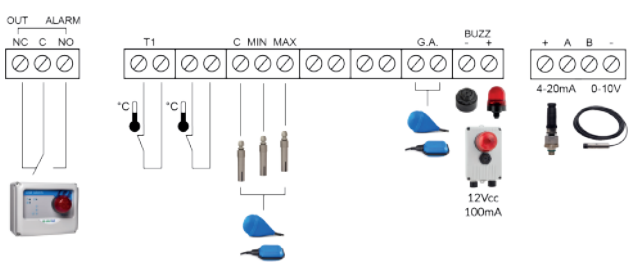
Type of connection 2



Type of connection 3



Type of connection 4



ACCESSORIES

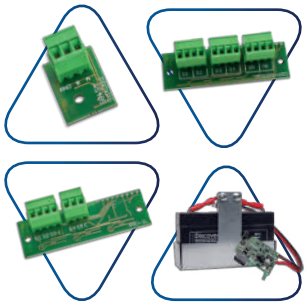
Code	Model	Description
98007	K3SL	Kit of 3 level probes (electrodes)
99050	PM/5	Pressure switch 1-5 bar
99051	PM/12	Pressure switch 3-12 bar
98003.012	AA-12Vdc	90 dB 12Vdc acoustic alarm
98004.012	LL-12Vac/dc	12V AC/DC flashing alarm lamp
98022	FE	Emergency stop button
98029	DT	Daily mechanical timer
98030	WT	Digital weekly timer
98032	TPL	Pause/work timer
98033	CI24Vac	External 24Vac command for activation/turn off of load
98033A	CI230Vac	External 230Vac command for activation/turn off of load



EXPANSIONS

Code	Model	Description
98102	PRO-XPS	PROXPS RS485 Modbus module
98103*	PRO-SL	PRO-SL level sensor module
98104*	PRO-H2O	PRO-SL H2O water presence module in oil chamber
98105*	PRO-6DO	BMS module with clean contacts
98106	PRO-DBT	PRODBT backup battery module
98107	PRO-BT	Bluetooth module for App PROXPS-BT

*It is possible to choose only one between the expansions: 98103 / 98104 / 98105

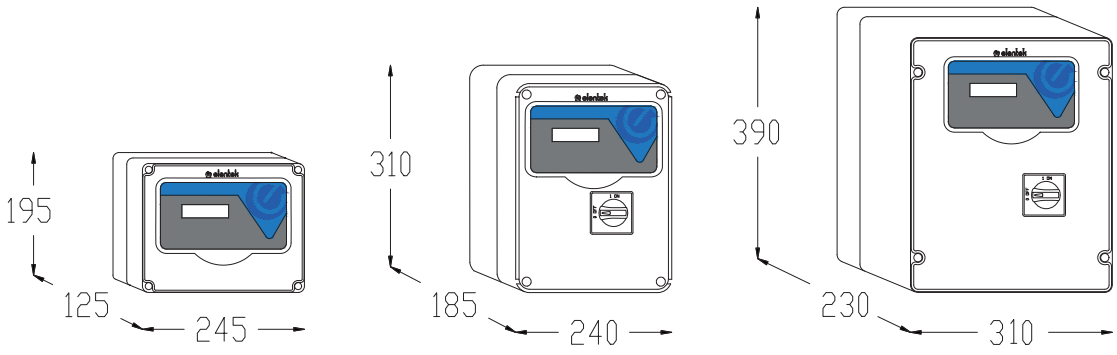


RELATED PRODUCTS

Code	Model	Description
99034	FLO 10	Neoprene cable float, 10 m length
99036	DROP 10	Variable tilt float with neoprene cable, 10 m length
99039	SHELL	Polypropylene counterweight for floats
01503	FLASH 12	Acoustic/visual alarm panel
01500	UNIT ALARM 1	Acoustic alarm panel with backup battery
01501	UNIT ALARM 2	Acoustic/visual alarm panel with backup battery
01502	UNIT ALARM GSM	Acoustic/visual alarm panel with backup battery and GSM kit
98044	TP010B	Pressure transducer 0-10Bar 4-20mA
98045	TP016B	Pressure transducer 0-16Bar 4-20mA
97007	E-KIOSK	Polyethylene panel stand
pag. 72	MANIFOLD	Stainless steel collectors
99009	BASE FULL	Base for pressure groups with 2 horizontal and vertical pumps



DIMENSIONS



P1 P2 P3

MODELS

express PRO 3

			Maximum power		Current		Box		W
Code	Model	Voltage	Kw	Hp	Range	Max	Mod.	Material	Kg.
13630	EXPRESS PRO 3-1~	1~230 V	2,2	3	0-18 A	18 A	P3	Plastic	5
13633	EXPRESS PRO 3-3~/7,5	3~400 V	7,5	10	0-18 A	18 A	M1	Metallic	15
13634	EXPRESS PRO 3-3~/11	3~400 V	11	15	16-25 A	25 A	M1	Metallic	15
13635	EXPRESS PRO 3-3~/15	3~400 V	15	20	16-32 A	32 A	M1	Metallic	15

express PRO 4

			Maximum power		Current		Box		W
Code	Model	Voltage	Kw	Hp	Range	Max	Mod.	Material	Kg.
14630	EXPRESS PRO 4-1~	1~230 V	2,2	3	0-18 A	18 A	P3	Plastic	20
14633	EXPRESS PRO 4-3~/7,5	3~400 V	7,5	10	0-18 A	18 A	M3	Metallic	25
14634	EXPRESS PRO 4-3~/11	3~400 V	11	15	16-25 A	25 A	M3	Metallic	25
14635	EXPRESS PRO 4-3~/15	3~400 V	15	20	16-32 A	32 A	M3	Metallic	25

ACCESSORIES

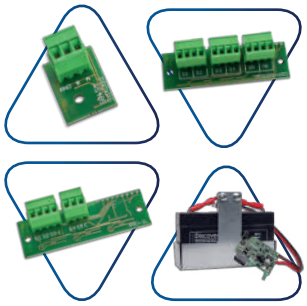
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98022	FE	Emergency stop button
98029	DT	Daily mechanical timer
98030	WT	Digital weekly timer
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98033A	CI230Vac	External 230Vac command for activation/turn off of load



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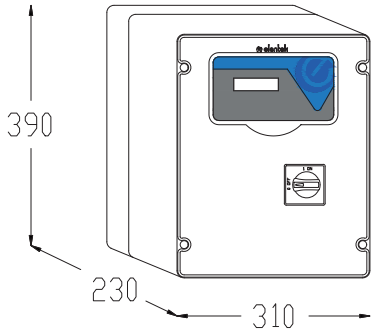


RELATED PRODUCTS

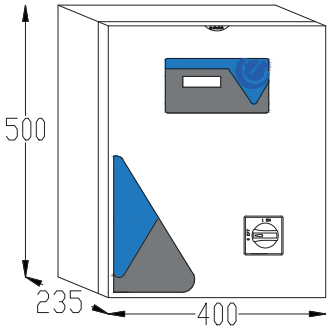
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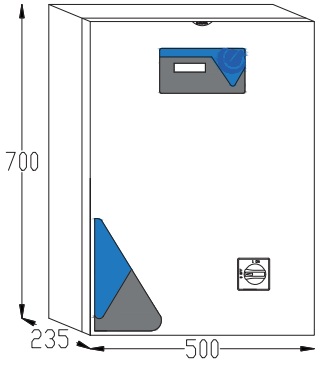
DIMENSIONS



P3



M1



M3