wastek PRO

FACILITÀ INSTALLAZIONE

INTERFACCIA UTENTE

ESPANDIBILITÀ

VERSATILITÀ

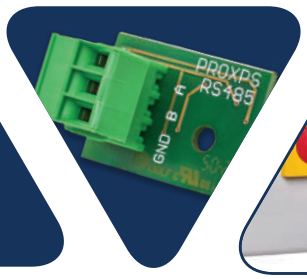
Un quadro per un piccolo pozzetto?

wastek PRO

Wastek Pro nasce per soddisfare i casi in cui si ha a disposizione solo un piccolo spazio. La peculiarità di questo quadro elettrico è infatti la possibilità di utilizzare un sensore di pressione ad aria, particolarmente utile quando il sito di installazione ha **pozzetti di dimensioni ridotte**.
Wastek, che permette una precisione di rilevazione del livello da 0 a 100 cm, è espandibile con una serie di moduli di connettività.



APP UNICA



RS485
(Optional)



SENSORE ARIA



EFFICIENZA DI SPAZIO

Applicabile in piccoli pozzi, Il solo sensore ad aria sostituisce fino a 4 galleggianti

PRECISO

Lettura e settaggio livello fino ad 1 cm

ACCESSORIATO

Allarme acustico di serie

CONTROLLO SEMPLICE

Controllo tensione, corrente e fase garantito

APPLICAZIONI

- PRESSURIZZAZIONE
- RIEMPIMENTO
- SVUOTAMENTO
- DRENAGGIO

CONNETTIVITÀ

- MODULO BLUETOOTH PER APP
- 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 sensore e soglie
- Pulsanti funzionamento AUTOMATICO- 0 (standby) – MANUALE (fisso o a impulso)
- Impostazioni lingua (italiano, inglese, francese, spagnolo, tedesco)
- Protezione marcia a secco con: sonde di livello/galleggianti/ pressostati e minima corrente
- Fino a 4 ingressi comando: galleggianti/ pressostati
- Ingresso per sensore ad aria e segnale analogico 4-20 mA o 0-10V
- Unità di misura segnale analogico in centimetri o metri
- 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
- Tempo di ritardo avviamento e spegnimento (programmabili)
- Gestione tempi di manutenzione (programmabile)
- Funzionamento pulsante manuale (fisso o momentaneo)
- Predisposizione per condensatori di marcia per versione monofase (non inclusi)

FUNZIONI AGGIUNTIVE WASTEK PRO 2

- 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
- Avviso di manutenzione impianto
- Contatti uscita allarme

PROTEZIONI

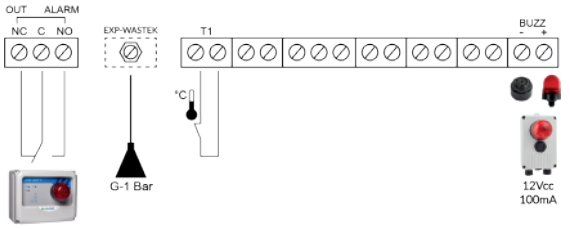
- Fusibili di protezioni ausiliari e motore
- Sezionatore generale blocco-porta (se previsto)
- Box in ABS, IP55

MODELLI E SCHEMI DI COLLEGAMENTO

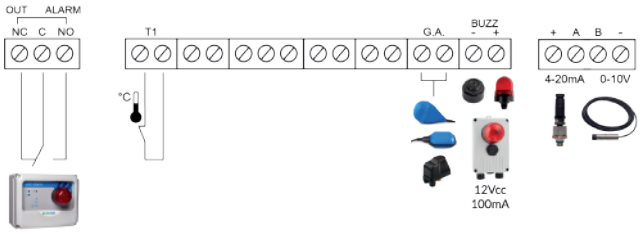
wastek PRO 1

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
11720NB	WASTEK PRO 1-Mono senza bloccoporta	1~230 V	2,2	3	0-18 A	18 A	P2	Plastico	1.8
11720	WASTEK PRO 1-Mono	1~230 V	2,2	3	0-18 A	18 A	P2	Plastico	2
11721	WASTEK PRO 1-Tri/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastico	2.5
11724	WASTEK PRO 1-Tri/11	3~400 V	11	15	16-25 A	25 A	P2	Plastico	3
11725	WASTEK PRO 1-Tri/15	3~400 V	15	20	16-32 A	32 A	P2	Plastico	3.5

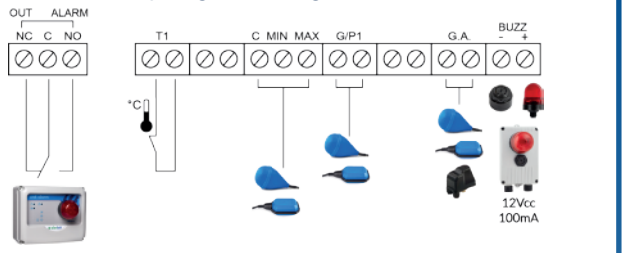
Tipologia di collegamento 1



Tipologia di collegamento 2



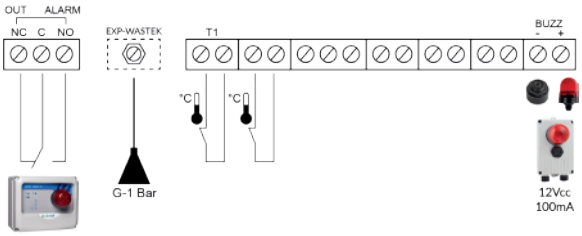
Tipologia di collegamento 3



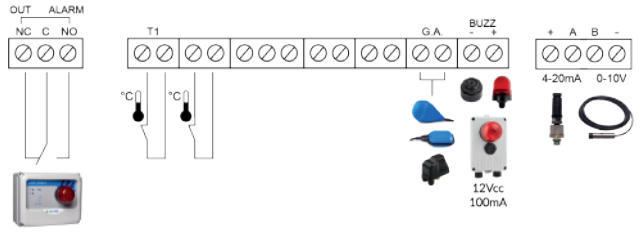
wastek PRO 2

			Potenza massima cad.		Corrente cad.		Box		Peso
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
12720NB	WASTEK PRO 2-Mono senza bloccoporta	1~230 V	2,2	3	0-18 A	18 A	P2	Plastico	1.8
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12721	WASTEK PRO 2-Tri/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastico	2.8
12724	WASTEK PRO 2-Tri/11	3~400 V	11	15	16-25 A	25 A	P3	Plastico	3.5
12725	WASTEK PRO 2-Tri/15	3~400 V	15	20	16-32 A	32 A	P3	Plastico	4

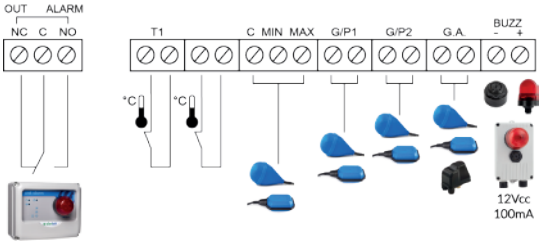
Tipologia di collegamento 1



Tipologia di collegamento 2



Tipologia di collegamento 3



ACCESSORI

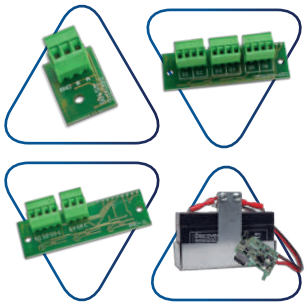
Codice	Modello	Descrizione
98007	K3SL	Kit 3 sonde (elettrodi) di livello
98004.012	LL-12Vac/dc	Lampada lampeggiante di allarme 12V AC/DC
98043	SPA01M	Sensore di pressione ad aria con 10m di cavo
97470	MCB-K16	Magnetotermico 3P 16A “K”
97471	MCB-K32	Magnetotermico 3P 32A “K”



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

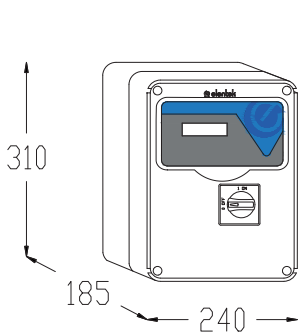


PRODOTTI CORRELATI

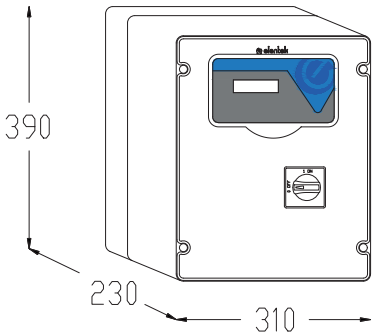
Codice	Modello	Descrizione
99034	FLO 10	Galleggiante con cavo in neoprene lunghezza 10 m
99036	DROP 10	Galleggiante ad assetto variabile con cavo in neoprene lunghezza 10 m
99039	SHELL	Contrappeso in polipropene per galleggianti
01503	FLASH 12	Quadro di allarme acustico/visivo
01500	UNIT ALARM 1	Quadro 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
97007	E-KIOSK	Colonnina portaquadro in polietilene
pag. 72	MANIFOLD	Collettori in acciaio inox



DIMENSIONI



P2



P3

wastek PRO

EASE OF INSTALLATION

USER INTERFACE

SCALABILITY

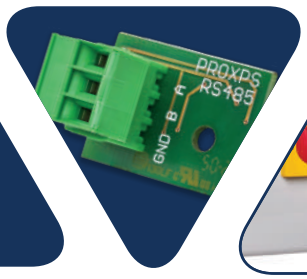
VERSATILITY

A panel for a small sump? wastek PRO

Wastek Pro is designed to meet the needs of situations where only limited space is available. The distinctive feature of this electrical panel is the ability to use an air pressure sensor, particularly useful when the installation site has **small-sized sumps**.
Wastek, which allows level detection accuracy from 0 to 100 cm, is expandable with a series of connectivity modules.



UNIQUE APP



RS485
(Optional)



AIR SENSOR



SPACE EFFICIENCY

Applicable in small sumps, the air sensor alone replaces up to 4 float switches.

PRECISE

Level reading and setting up to 1 cm.

EQUIPPED

Standard acoustic alarm

SIMPLE CONTROL

Voltage, current, and phase control guaranteed

APPLICATIONS

- ○ PRESSURIZATION
- ○ FILLING
- ☑ EMPTYING
- ☑ DRAINAGE

CONNECTIVITY

- BLUETOOTH MODULE FOR APP
- RS485 MODBUS MODULE

MAIN FEATURES

FUNCTIONS

- LCD display for viewing and programming: voltage, current, cos-fi, operating hours, number of starts, motor status, alarms, sensor signal, and thresholds
- Operation buttons: AUTOMATIC - 0 (standby) - MANUAL (fixed or momentary)
- Language settings (Italian, English, French, Spanish, German)
- Dry run protection with: level probes/float switches/pressure switches and minimum current
- Up to 4 command inputs: float switches/pressure switches
- Input for air sensor and analog signal 4-20 mA or 0-10V
- Units of measurement for analog signal in centimeters or meters
- 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
- Startup and shutdown delay time (programmable)
- Maintenance time management (programmable)
- Manual button operation (fixed or momentary)
- Provision for running capacitors for single-phase version (not included)

ADDITIONAL FUNCTIONS WASTEK PRO 2

- 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
- Maintenance warning for the system
- Alarm output contacts

PROTECTIONS

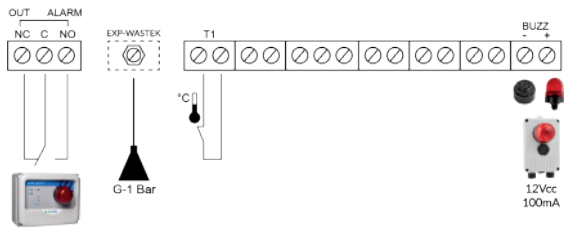
- Auxiliary and motor protection fuses
- Main disconnect switch with door lock (if provided)
- ABS enclosure, IP55

MODELS AND WIRING DIAGRAMS

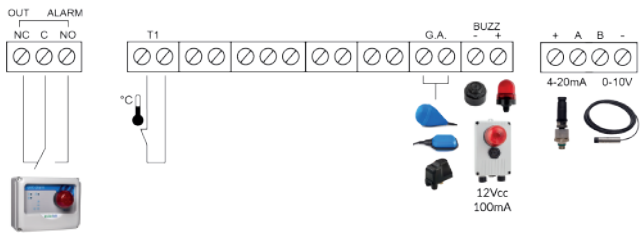
wastek PRO 1

			Maximum power		Current		Box		W
Codice	**Modello**	**Tensione**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Materiale**	**Kg.**
11720NB	WASTEK PRO 1-1~ without door lock	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	1.8
11720	WASTEK PRO 1-1~	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	2
11721	WASTEK PRO 1-3~/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastic	2.5
11724	WASTEK PRO 1-3~/11	3~400 V	11	15	16-25 A	25 A	P2	Plastic	3
11725	WASTEK PRO 1-3~/15	3~400 V	15	20	16-32 A	32 A	P2	Plastic	3.5

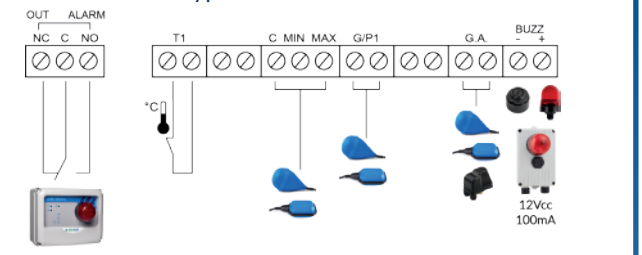
Type of connection 1



Type of connection 2



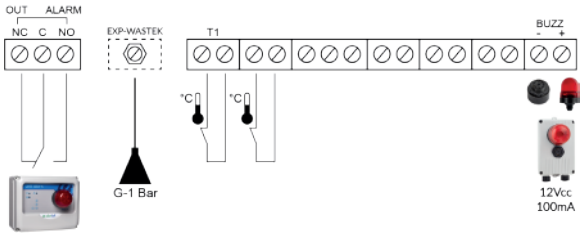
Type of connection 3



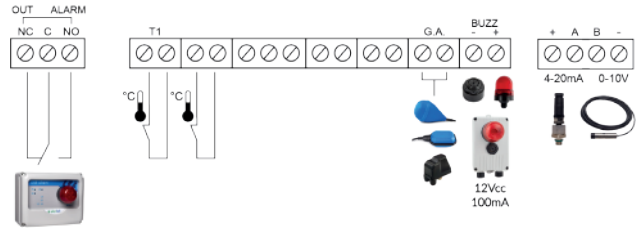
wastek PRO 2

			Maximum power		Current		Box		W
Code	**Model**	**Voltage**	**Kw**	**Hp**	**Range**	**Max**	**Mod.**	**Material**	**Kg.**
12720NB	WASTEK PRO 2-1~ without door lock	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	1.8
12720	WASTEK PRO 2-1~	1~230 V	2,2	3	0-18 A	18 A	P2	Plastic	2
12721	WASTEK PRO 2-3~/7,5	3~400 V	7,5	10	0-16 A	16 A	P2	Plastic	2.8
12724	WASTEK PRO 2-3~/11	3~400 V	11	15	16-25 A	25 A	P3	Plastic	3.5
12725	WASTEK PRO 2-3~/15	3~400 V	15	20	16-32 A	32 A	P3	Plastic	4

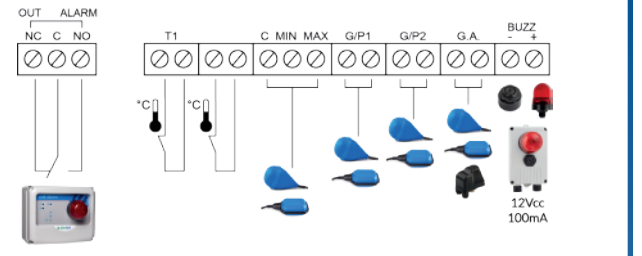
Type of connection 1



Type of connection 2



Type of connection 3



ACCESSORIES

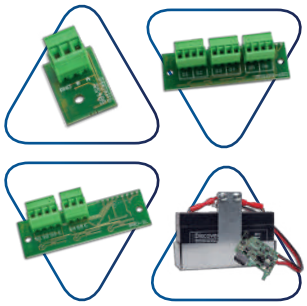
Code	Model	Description
98007	K3SL	Kit of 3 level probes (electrodes)
98004.012	LL-12Vac/dc	12V AC/DC flashing alarm lamp
98043	SPA01M	Air pressure sensor with 10m cable
97470	MCB-K16	3P 16A "K" circuit breaker
97471	MCB-K32	3P 32A "K" circuit breaker



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

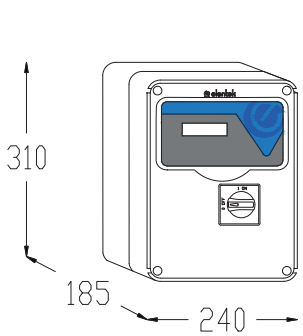


RELATED PRODUCTS

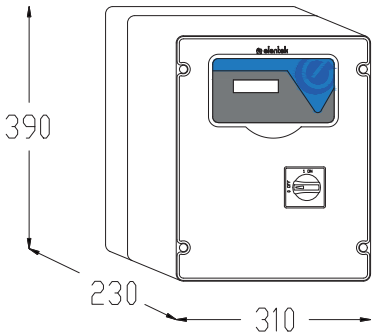
Code	Model	Description
99034	FLO 10	Neoprene cable float, 10 m length
99036	DROP 10	Variable tilt float with neoprene cable, 10 m length
99039	SHELL	Polypropylene counterweight for floats
01503	FLASH 12	Acoustic/visual alarm panel
01500	UNIT ALARM 1	Acoustic alarm panel with backup battery
01501	UNIT ALARM 2	Acoustic/visual alarm panel with backup battery
01502	UNIT ALARM GSM	Acoustic/visual alarm panel with backup battery and GSM kit
97007	E-KIOSK	Polyethylene panel stand
pag. 72	MANIFOLD	Stainless steel collectors



DIMENSIONS



P2



P3