

WHITE INVERTER AND CONTROL BOXES



WHITE INVERTER CONTROL BOX

WHITE is an intelligent inverter control panel designed to manage asynchronous electropumps at variable speed. It ensures constant pressure, optimizes energy consumption, and extends pump life, with full configuration and monitoring available via Bluetooth® smartphone application.



**VARIABLE SPEED CONSTANT
PRESSURE CONTROL**

**BLUETOOTH® SMART APP
CONFIGURATION**

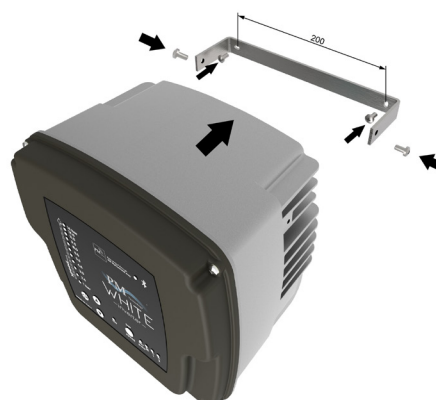
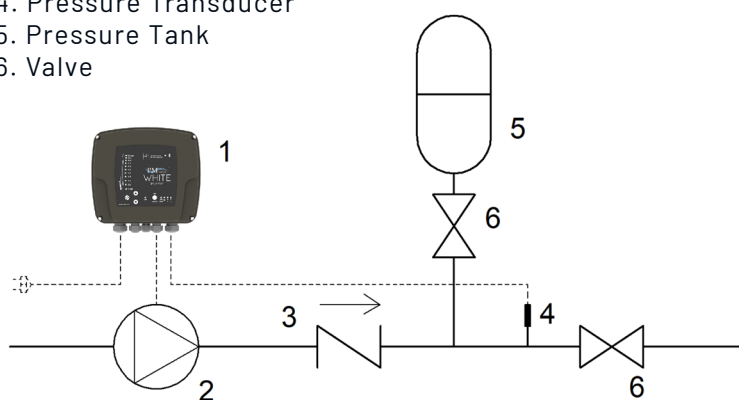
**HIGH-EFFICIENCY ENERGY
SAVING OPERATION**

WHITE - 50/60HZ

TYPE	V _{IN}	V _{OUT}	MOTOR I ₁ MAX [A]	MOTOR P ₂ MAX [KW]	WEIGHT [KG]	DIMENSION [MM]
WHITE 102	1x230	3x230	7.5	1.5	4.3	253 x 250 x 170
WHITE S 102	1x230	1x230	11	1.5	4.3	253 x 250 x 170
WHITE T 305	3X400	3X400	10	4	4,3	253 x 250 x 170

CONNECTION DIAGRAM

1. WHITE control panel
2. Pump
3. No return valve
4. Pressure Transducer
5. Pressure Tank
6. Valve



MAIN FEATURES

- Extremely durable aluminum box, with excellent thermal dissipation
- Cooling fan that activates on demand
- IP55 protection class
- Smartphone interface
- 2 digital inputs configurable via app
- 2 digital outputs configurable via app
- 1 analog input 4-20mA (dedicated to pressure gauge)
- 1 analog input 4-20mA or 0-10V
- RS485 MODBUS RTU
- Bluetooth® SMART 4.0

PROTECTIONS

- Protection against dry running
- Protection against over and under voltage
- Electrical protection against motor overload
- Protection against no-phase
- Protection and control of maximum operating temperature

APPLICATIONS

- Water supply
- Submersible pumps
- Water distribution
- Pressurization
- Irrigation systems
- Water treatment
- Industrial cooling or heating systems
- Fountains

PM DEVICES IN YOUR HANDS.

 **Bluetooth®**



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ACCESSORIES

PRESSURE TRANSDUCER
0-16 bar 4-20 mA IP 65.

BELT CONTROL BOX

BELT is the traditional protection control box for single-phase electropumps, designed for simple and reliable installation. With built-in start capacitor and externally resettable thermal-amperometric protection, it offers a practical and cost-effective solution for distributors and installers.

SPECIFICATIONS

- Thermal-amperometric protection externally resettable
- Built-in start capacitor
- IP 54 protection class
- Box made of thermoplastic insulating material
- On / Off switch
- Output with two cable glands
- Auxiliary input for control by probes, float switch, pressure switch,...



**INTEGRATED
START CAPACITOR**

**THERMAL-AMPEROMETRIC
PROTECTION**

**COMPACT IP54 INSULATED
ENCLOSURE**

BELT - 50 HZ

TYPE	POWER		VOLTAGE [V]	PROTECTION [A]	CAPACITOR [μF]	WEIGHT [Kg]	DIMENSION [mm]
	[Hp]	[kW]					
BELT20	0,50	0,37	220/230	5	20	0,75	170 x 150 x 70
BELT20D	0,50	0,37	220/230	5	20+(36/43)	1,00	200 x 155 x 80
BELT25	0,75	0,55	220/230	7	25	0,75	170 x 150 x 70
BELT25D	0,75	0,55	220/230	7	25+(53/64)	1,00	200 x 155 x 80
BELT35	1,00	0,75	220/230	8	35	0,75	170 x 150 x 70
BELT35D	1,00	0,75	220/230	8	35+(88/106)	1,00	200 x 155 x 80
BELT40	1,50	1,10	220/230	11	40	0,75	170 x 150 x 70
BELT40D	1,50	1,10	220/230	11	40+(110/125)	1,00	200 x 155 x 80
BELT60	2,00	1,50	220/230	14	60	1,00	200 x 155 x 80
BELT60D	2,00	1,50	220/230	14	60+(125/160)	1,60	255 x 195 x 100
BELT70	3 HDW	2,20	220/230	20	70	1,00	200 x 155 x 80
BELT70D	3 HDW	2,20	220/230	20	70+(200/250)	1,60	255 x 195 x 100
BELT80	3 HDO	2,20	220/230	20	80	1,00	200 x 155 x 80
BELT80D	3 HDO	2,20	220/230	20	80+(200/250)	1,60	255 x 195 x 100
BELT90	4,00	3,00	220/230	30	90	1,60	255 x 195 x 100
BELT90D	4,00	3,00	220/230	30	90+(250/300)	2,40	310 x 240 x 110
BELT100D	5,00	3,70	220/230	32	100+(250/300)	2,40	310 x 240 x 110
BELT120D	5,50	4,00	220/230	35	120+(250/300)	2,40	310 x 240 x 110

BELT - 60 HZ

TYPE	POWER		VOLTAGE [V]	PROTECTION [A]	CAPACITOR [μF]	WEIGHT [Kg]	DIMENSION [mm]
	[Hp]	[kW]					
BELT20-62	0,50	0,37	220/230	6	20	0,75	170 x 150 x 70
BELT80-61	0,50	0,37	110/115	11	80	1,00	200 x 155 x 80
BELT25-62	0,75	0,55	220/230	8	25	0,75	170 x 150 x 70
BELT100-61	0,75	0,55	110/115	14	100	1,00	200 x 155 x 80
BELT35-62	1,00	0,75	220/230	9	35	0,75	170 x 150 x 70
BELT120-61	1,00	0,75	110/115	18	120	1,60	255 x 195 x 100
BELT40-62	1,50	1,10	220/230	12	40	0,75	170 x 150 x 70
BELT40D-62	1,50	1,10		12	40+(110/125)	1,00	200 x 155 x 80
BELT60-62	2,00	1,50		14	60	1,00	200 x 155 x 80
BELT60D-62	2,00	1,50	220/230	14	60+(125/160)	1,60	255 x 195 x 100
BELT80-62	3,00	2,20		20	80	1,00	200 x 155 x 80
BELT80D-62	3,00	2,20		20	80+(200/250)	1,60	255 x 195 x 100
BELT100D-62	5,00	3,70	220/230	32	100+(250/300)	2,50	310 x 240 x 110
BELT120D-62	5,50	4,00	220/230	35	120+(250/300)	2,50	310 x 240 x 110



BELT+ CONTROL BOX

BELT+ is an advanced electronic control panel for single and three-phase electropumps equipped with automatic set up function. In addition to thermal-amperometric protection, it features dry-run protection through $\cos\phi$ monitoring, comprehensive electrical safeguards, and digital programming, increasing system safety and pump lifespan.



**DRY-RUN PROTECTION
VIA $\cos\phi$ CONTROL**

**AUTOMATIC SET UP WITH
SELF LEARNING SYSTEM**

**ADVANCED MULTI-LEVEL
ELECTRICAL PROTECTION**

BELT+

TYPE	POWER		PHASE	VOLTAGE [V]	MAX. CURRENT [A]	WEIGHT [KG]	DIMENSION [MM]
	[HP]	[KW]					
BELT+120	0,5 - 3	0,37 - 2,2	1	230 V	20	1,8	240 x 190 x 90
BELT+310	0,5 - 4	0,37 - 3	3	400 V	10	1,8	240 x 190 x 90
BELT+320	5,5 - 10	4 - 7,5	3	400 V	20	1,8	240 x 190 x 90
BELT+330	12,5 - 15	9,2 - 11	3	400 V	30	2,4	240 x 190 x 90

FUNCTIONALITY

- Manual or automatic mode
- All settings are done through a keyboard and a display
- On / Off switch
- Configuration for start capacitor insertion (single phase version)
- Digital auxiliary input to start/stop the pump and connection to float switch, pressure switch,...
- Output with two cable glands

COVERED PROTECTIONS

- IP 55 protection class
- Protection against dry running, by checking the motor $\cos\phi$; automatically restored after 10-20-40-80-120 minutes
- Overload protection
- Overvoltage/Undervoltage protection
- Short-circuit protection
- Phase failure protection (three-phase motors)



CU-BOX CONTROL BOX

CU-Box is our control panel designed for the starter of 4" single-phase water-filled encapsulated submersible motors 4HDW 60hz.



**INTEGRATED
START CAPACITOR**

**THERMAL-AMPEROMETRIC
PROTECTION**

**COMPACT IP54 INSULATED
ENCLOSURE**

CU-BOX - 60 HZ

TYPE	POWER		VOLTAGE [V]	START CAPACITOR [MF]	RUN CAPACITOR [MF]	WEIGHT		DIMENSION	
	[HP]	[KW]				[KG]	[lb]	[MM]	[in]
CU-BOX05-61	0,5	0,37	110/115	250-300 (125 V)	-	1,2	2,6	130 x 77 x 215	5,1 x 3 x 8,5
CU-BOX05-62	0,5	0,37	220/230	59-71 (250 V)	-	1,2	2,6	130 x 77 x 215	5,1 x 3 x 8,5
CU-BOX07-61	0,75	0,55	110/115	250-300 (125 V)	-	1,2	2,6	130 x 77 x 215	5,1 x 3 x 8,5
CU-BOX07-62	0,75	0,55	220/230	86-103 (250 V)	-	1,2	2,6	130 x 77 x 215	5,1 x 3 x 8,5
CU-BOX10-62	1	0,75	220/230	105-126 (250 V)	-	1,2	2,6	130 x 77 x 215	5,1 x 3 x 8,5
CU-BOX15-62	1,5	1,10	220/230	105-126 (250 V)	10 (400 V)	2,5	5,5	205 x 240 x 148	8,1 x 9,5 x 5,8
CU-BOX20-62	2	1,50	220/230	105-126 (250 V)	20 (400 V)	2,5	5,5	205 x 240 x 148	8,1 x 9,5 x 5,8
CU-BOX30-62	3	2,20	220/230	208-250 (250 V)	45 (400 V)	2,5	5,5	205 x 240 x 148	8,1 x 9,5 x 5,8
CU-BOX50-62	5	3,70	220/230	270-324 (250 V)	80 (400 V)	2,5	5,5	205 x 240 x 148	8,1 x 9,5 x 5,8



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