PENTAIR JUNG PUMPEN

BASICLOGO AD/BD

CONTROL UNITS AND COMPONENTS



- Proven and solid control technology
- User-friendly handling
- Expandable functions
- Large range of level controls
- Usable down to -20 °C without heating

DESCRIPTION

Electronic control unit for level control of one (AD) or two (BD) d.o.l. starting submersible pump(s).

The BasicLogo with the standard features meets all the necessary requirements for the reliable control of sewage pumps. It can be adapted to individual requirements and is suitable for use with both non explosion protected and explosion protected submersible pumps (AD/BD ...Ex types).

The control unit can be combined with a large variety of different level controls to suit the application concerned, and it is supplied with a buzzer as standard with a facility for off the line operation.

All BD types (for two pumps) automatically start up pumps 1 and 2 alternately. The resting pump is switched on during peak load or fault. Alternative operation of the unit without peak load function is possible, but with automatic switchover to the standby pump in the event of a fault. Variegated automatic start delay time after a power failure to prevent extreme rushes of current.

The clear and robust design of the unit enables it to be used outdoors in an empty outdoor casing at temperatures as low as -20°C without the need for any heating.

Further accessories are available on request

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ELECTRICAL DATA

Type of enclosure	IP 44		

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Type	Code No.	Voltage	Motor protection	Pre-fuse	HxWxL[mm]
Control for 1 pump					
AD 00 E	**JP00289**	1/N/PE~230 V	-	16 A	270 x 250 x 155
AD 00	**JP00311**	3/PE~230/400 V	-	16 A	270 x 250 x 155
AD 25	**JP00310**	3/N/PE~230/400 V	2.4 ... 4 A	16 A	270 x 250 x 155
AD 46	**JP14353**	3/N/PE~230/400 V	4 ... 6 A	16 A	270 x 250 x 155
AD 610	**JP14354**	3/N/PE~230/400 V	6 ... 9 A	16 A	270 x 250 x 155
AD 910	**JP47263**	3/N/PE~230/400 V	9 ... 12 A	20 A	270 x 250 x 155
Control unit for 1 pump with ex-proof					
AD 4 XE	**JP25901**	1/N/PE~230 V	4 A	16 A	430 x 250 x 155
AD 8 XE	**JP25902**	1/N/PE~230 V	8 A	16 A	430 x 250 x 155
AD 23 X	**JP09754**	3/N/PE~230/400 V	1 ... 1.6 A	16 A	250 x 250 x 155
AD 25 X	**JP09683**	3/N/PE~230/400 V	2.4 ... 4 A	16 A	250 x 250 x 155
AD 46 X	**JP14355**	3/N/PE~230/400 V	4 ... 6 A	16 A	250 x 250 x 155
AD 610 X	**JP14356**	3/N/PE~230/400 V	6 ... 9 A	16 A	250 x 250 x 155
AD 910 X	**JP47265**	3/N/PE~230/400 V	9 ... 12 A	20 A	250 x 250 x 155
Control for 2 pumps					
BD 00 E	**JP45735**	1/N/PE~230 V	10 A	20 A	430 x 250 x 155
BD 610 EC	**JP45743**	1/N/PE~230 V	6.3 ... 10 A	20 A	430 x 250 x 155
BD 00	**JP45993**	3/N/PE~230/400 V	4 ... 6.3 A	16 A	430 x 250 x 155
BD 25	**JP45737**	3/N/PE~230/400 V	2.5 ... 4 A	16 A	430 x 250 x 155
BD 46	**JP45739**	3/N/PE~230/400 V	4 ... 6.3 A	20 A	430 x 250 x 155
BD 610	**JP45741**	3/N/PE~230/400 V	6.3 ... 10 A	25 A	430 x 250 x 155
BD 910	**JP47264**	3/N/PE~230/400 V	6.3 ... 10 A	25 A	430 x 250 x 155
Control unit for 2 pumps with ex-proof					
BD 23 X	**JP09755**	3/N/PE~230/400 V	1 ... 1.6 A	16 A	430 x 250 x 155
BD 25 X	**JP09681**	3/N/PE~230/400 V	2.5 ... 4 A	16 A	430 x 250 x 155
BD 46 X	**JP14360**	3/N/PE~230/400 V	4 ... 6.3 A	20 A	430 x 250 x 155
BD 610 X	**JP14361**	3/N/PE~230/400 V	6.3 ... 10 A	25 A	430 x 250 x 155
BD 910 X	**JP47266**	3/N/PE~230/400 V	6.3 ... 10 A	25 A	430 x 250 x 155

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	Single Unit					Duplex unit			
	AD 00 E	AD 00	AD 25, 46, 610, 910	AD 4 XE, 8 XE	AD 23 X, 25 X, 46 X, 610 X, 910 X	BD 00 E	BD 610 EC	BD 00, 25, 46, 610, 910	BD 23 X, 25 X, 46 X, 610 X, 910 X
Equipment									
Starting	direct	direct	direct	direct	direct	direct	direct	direct	direct
Motor contactor	1	1	1	1	1	2	2	2	2
Excess current relay			1		1				
Motor protection switch				1			2	2	2
Neozed fuse						2			
Motor capacitor				1			2		
A.C. power supply 230 V/2 A	1	1	1	1	1	1	1	1	1
Hand-Off-Automatic selector switch	1	1	1	1	1	2	2	2	2
Buzzer	1	1	1	1	1	1	1	1	1
Alarm reset button					1				1
Rreset button					1				1
Indicator lamp for operation	1	1	1	1	1	2	2	2	2
Indicator lamp for sense of rotation		1	1		1			1	1
Indicator lamp for high water alarm	1	1	1	1	1	1	1	1	1
Indicator lamp for malfunction pump			1	1	1		2	2	2
Indicator lamp for malfunction temp. limiter				1	1				2
Indicator lamp for water defiency					1				1
Pot. free contact for collective fault	1	1	1	1	1	1	1	1	1
Watchdog timer 8.9 - 50.7 min.					1				1
Potential free contact, as before					1				1

	Code No.	Single Unit			Duplex unit	
		AD 00 E	AD 00, 25, 46, 610, 910	AD 4 XE, 8 XE, 23 X, 25 X, 46 X, 610 X, 910 X	BD 00 E, 610 EC, 00, 25, 46, 610, 910	BD 23 X, 25 X, 46 X, 610 X, 910 X
Level sensor						
Subm. switch pack A	JP16718	1	1	1		
Subm. switch pack AmG	JP16719	2	1	1		
Subm. switch pack B	JP16725				1	1
Subm. switch pack BmG	JP16726				1	1
Auxiliary switch unit ExH-A	JP16720			1		
Auxiliary switch unit ExH-B for explosion-proof pumps only	JP00295					1
Air diaphragm circuit	JP01080	1	1	1	1	1
Hydrostatic level contact sensor HD 04	JP44547	1	1		1	
Hydrostatic level contact sensor HD 04 Ex	JP44548			1		1

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	Code No.	Single Unit						Duplex unit			
		AD 00 E, 00	AD 25, 46, 610, 910	AD 4 XE	AD 8 XE, 23 X	AD 25 X	AD 46 X, 610 X, 910 X	BD 00 E, 610 EC, 00, 25, 46, 610, 910	BD 23 X	BD 25 X	BD 46 X, 610 X, 910 X
Accessory											
Dry run protection unmounted	JP41463					1	1		1	1	1
Dry run protection US_Ex	JP44603			1	1	1			1	1	
Rechargeable battery	JP44850	1	1	1	1	1	1	1	1	1	1
LCD operating hours counter	JP50922	1	1	1	1	1	1	2	2	2	2
Retaining plate	JP50213	1	1		1	1	1	1	1	1	1
Accessory factory-fitted											
Dry run protection	JP41881					1	1			1	1

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