

# ELECTRO-MECHANICAL PROTECTION AND CONTROL PANELS

ED FOR 1 POMP



## TECHNICAL DATA

**Nominal power input voltage:** 230V 1~ ± 10%  
400V 3~ ± 10%

**Frequency:** 50-60 Hz.

**Ambient temperature operation limits:** -10 °C +40 °C.

**Storage ambient temperature limit:** -25 °C + 55 °C.

**Relative humidity (without condensation):**

50% at 40 °C MAX (90% a 20 °C).

**Protection class:** IP55.

**Panel construction:** to EN 60204-1 and EN 60439-1.

## APPLICATIONS

Control panels for automatic protection and control, through digital controls (floats, pressure switches, timers, etc.), of 1 single-phase or three-phase electric pumps, with direct star/triangle start Y/D.

## CONTROL PANEL CONSTRUCTION

Panel construction: to EN 60204-1 and EN 60439-1

Supplied on self-extinguishing thermoplastic material box with wall fastening bracket.

The control panel is self-protected and protects the electric pump from overload, short circuit and power loss, with manual reset, and from overtemperature, with automatic reset.

## COMPLETE WITH:

Power line disconnect device with padlockable door lock handle.

Auxiliary circuit fuses.

Adjustable scale thermal magnetic protection on each motor.

Self-protected transformer to provide 24V supply for external controls.

Terminals for the connection of the electric pump, and the protection and minimum/maximum level control floats (or max/min pressure by means of pressure switches, etc.).

Powerless terminals for dry run, overflow, overpressure, sound or luminous alarm notification.

Terminals for the connection of the motor temperature sensors. Bridge fitted as standard, to be removed in case of use. (SEE THE TABLE)

Panel front Manual - Off - Automatic selector switch.

0" to 30 " adjustable switch timer, only for control panels with Y/D start.

## FRONT PANEL NOTIFICATION:

Red lamp, overload protection activation.

Green lamp, pump in operation.

White lamp, auxiliary circuits working correctly.

Red lamp, dry run or maximum pressure.

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MODEL	ELECTRICAL DATA							
	POWER INPUT 50 HZ	STARTING	CAPACITOR	KW	HP	MAX CURRENT	THERMAL PROTECTION	MOTOR PROTECTOR KK
ED0,1M	1X220 - 240 V~	direct	-	0.0735	0.1	1	0.63-1A	
ED0,3M	1X220 - 240 V~	direct	-	0.2205	0.3	1.6	1-1.6A	
ED0,75M	1X220 - 240 V~	direct	-	0.55125	0.75	4	2.5-4A	
ED1M	1X220 - 240 V~	direct	-	0.735	1	6.3	4-6.3A	
ED1,5M	1X220 - 240 V~	direct	-	1.1025	1.5	10	6.3-10A	
ED2M	1X220 - 240 V~	direct	-	1.47	2	16	10-16A	
ED2,4M	1X220 - 240 V~	direct	-	1.764	2.4	20	16-20A	
ED3M 40UF	1X220 - 240 V~	direct	40	2.205	3	10	6.3-10A	•
ED3MHS	1X220 - 240 V~	direct	40µF+250µF	2.205	3	10	6.3-10A	•
ED0,08T	3X400 V~	direct	-	0.0588	0.08	0.63	0.4-0.63A	
ED0,5T	3X400 V~	direct	-	0.3675	0.5	1.6	1-1.6A	
ED1T	3X400 V~	direct	-	0.735	1	2.5	1.6-2.5A	
ED1,5T	3X400 V~	direct	-	1.1025	1.5	4	2.5-4A	
ED2,5T	3X400 V~	direct	-	1.8375	2.5	6.3	4-6.3A	•
ED4T	3X400 V~	direct	-	2.94	4	10	6.3-10A	•
ED8T	3X400 V~	direct	-	5.88	8	16	10-16A	•
ED11T	3X400 V~	direct	-	8.085	11	20	16-20A	•
ED14T	3X400 V~	direct	-	10.29	14	25	20-25A	•
ED15T	3X400 V~	direct	-	11.025	15	32	25-32A	•
ED7,5T SD	3X400 V~	Y/Δ	-	5.5125	7.5	16	10-16A	•
ED15T SD	3X400 V~	Y/Δ	-	11.025	15	25	18-25A	•
ED20T SD	3X400 V~	Y/Δ	-	14.7	20	32	23-32A	•
ED25T SD	3X400 V~	Y/Δ	-	18.375	25	32	32-45A	•
ED30T SD	3X400 V~	Y/Δ	-	22.05	30	63	40-63A	•

MODEL	A	B	C	D	E	PACKING DIMENSIONS			WEIGHT kg
						L/A	L/B	H	
ED0,1M	345	248	270	270	200	320	420	250	7
ED0,3M	345	248	270	270	200	320	420	250	7
ED0,75M	345	248	270	270	200	320	420	250	7
ED1M	345	248	270	270	200	320	420	250	7
ED1,5M	345	248	270	270	200	320	420	250	7
ED2M	345	248	270	270	200	320	420	250	7
ED2,4M	345	248	270	270	200	320	420	250	7
ED3M 40uF	345	248	270	270	200	320	420	250	7
ED3MHS	345	248	270	270	200	320	420	250	7
ED0,08T	345	248	270	270	200	320	420	250	7
ED0,5T	345	248	270	270	200	320	420	250	7
ED1T	345	248	270	270	200	320	420	250	7
ED1,5T	345	248	270	270	200	320	420	250	7
ED2,5T	345	248	270	270	200	320	420	250	7
ED4T	345	248	270	270	200	320	420	250	7
ED8T	345	248	270	270	200	320	420	250	7
ED11T	345	248	270	270	200	320	420	250	8
ED14T	345	248	270	270	200	320	420	250	8
ED15T	345	248	270	270	200	320	420	250	8
ED7,5T SD	345	335	270	360	200	320	420	250	9
ED15T SD	345	335	270	360	200	320	420	250	9
ED20T SD	345	335	270	360	255	360	450	450	9
ED25T SD	612	335	540	360	255	620	600	330	15
ED30T SD	612	335	540	360	255	620	600	330	15

