

DOL & SOFT START

Housed in robust powder coated metal enclosures, MATElec Australia's Econo Single Pump Controllers provide a highly cost effective way of controlling a pump in simple applications, where the features found in more complex pump controllers are not required. Providing overload protection for the pump and automatic/manual control via a selector switch, these panels are available in DOL and Soft Start options for control of a single or three phase pump.



HARDWARE FEATURES

Enclosure:

- Powder coated mild steel enclosure with removable gland plate
- IP54 rated with single door (DOL Start version)
- IP56 rated with inner door (Soft Start version)

Protection:

- Pad-lockable mains power isolator switch
- Circuit breaker protected low voltage control and input circuitry
- Contactor and thermal overload protection of pump
- Din rail mounted terminal connections

Control & interface:

- Selector switch for auto/off/manual control of pump
- Soft starter with user adjustable soft start and soft stop (Soft Start version)

Inputs:

- Single phase (230Vac) or three phase (400Vac) power supply
- 2x 24Vac digital inputs for cut off and working level float, pressure or other switches

Outputs:

- Pump supply output

FUNCTION FEATURES

- Automatic pump control - Pump is controlled by cut off and working level digital inputs
- Manual pump control - Runs pump continuously irrespective of inputs

FAULT PROTECTION

- Pump overload protection - Pump shuts down on overload

COMMON APPLICATIONS

- Submersible sewage
- Submersible stormwater
- Water transfer pumping
- Pressure boosting
- Irrigation

DOL & SOFT START

ECONO PUMP CONTROLLERS - DOL & SOFT START

Code	No of Pumps	Phase / Voltage	Overload Rating Options	Soft Starter Rating Options	Enclosure Size
FPC-15900	1	1 Phase / 230Vac	-AA to -E	N/A	300x300x150mm
FPC-15905	1	3 Phase / 400 Vac	-AA to -E	-S4.0 to -S90	300x300x150mm+

Note: Enclosure sizes will increase for soft starters

Note: Soft starters only available on three phase panels

OVERLOAD RATING GUIDE

Code Suffix	Overload Rating
-AA	1.6 - 2.5 Amp
-A	2.5 - 4 Amp
-B	4 - 6 Amp
-BB	5.5 - 8 Amp
-C	7 - 10 Amp
-D	9 - 13 Amp
-E	12 - 18 Amp

Additional overload ratings available on request

For FLCs greater than 18 Amps, soft starters are recommended

SOFT STARTER GUIDE

Code Suffix	Power Rating
-S4.0	4.0 kW
-S5.5	5.5 kW
-S7.5	7.5 kW
-S11	11 kW
-S15	15 kW
-S22	22 kW
-S30	30 kW
-S37	37 kW
-S45	45 kW
-S55	55 kW
-S75	75 kW
-S90	90 kW

Additional kW ratings up to 160kW available on request

MODIFICATION OPTIONS

- IP56 rated enclosure with inner door
- 316 stainless steel enclosure
- Indicator lights for power on, pump run and fault
- Inputs for remote start/stop
- Emergency stop isolation