

SJE EMD Series™ CE Rated Control Panel

Single-phase or three-phase, CE rated pump control panels.

SJE EMD series are CE Rated electromechanical control panels designed to control one or two submersible single-phase or three-phase electric pumps in water and wastewater applications.

They are provided with a thermal overload protection relay incorporated in the IP55 weather-proof cabinet.

The control panels operate the pumps based on the liquid level from signals provided from float or pressure switches.



Standard Control Panels

APPLICATIONS

- Water supply pumps
- Wastewater pumps
- Many more motor control applications

EMD SERIES

Models EMD1S / EMD1T

- **EMD1S** is an electromechanical control panel for one single-phase pump with thermal overload protection.
 - Plastic enclosure
 - 400mm (H) x 300mm (W) x 180mm (D)
 - 8 kg
- **EMD1T** is an electromechanical control panel for one three-phase pump with thermal overload protection.
 - Plastic enclosure
 - 400mm (H) x 300mm (W) x 180mm (D)
 - 8 kg

Models EMD2S / EMD2T

- **EMD2S** is an electromechanical control panel for two single-phase pumps with thermal overload protection.
 - Metal enclosure - RAL 7035
 - 500mm (H) x 400mm (W) x 250mm (D)
 - 18 kg
- **EMD2T** is an electromechanical control panel for two three-phase pumps with thermal overload protection.
 - Metal enclosure - RAL 7035
 - 500mm (H) x 400mm (W) x 250mm (D)
 - 18 kg

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NOTE

SJE EMD Series™ CE rated control panels are manufactured at SJE Rhombus' Suzhou Co. Ltd. Contact SJE Rhombus' for pricing or submit an online quote request at www.sjerhombus.com.

FEATURES

- Input Power:
 - 1~ 50/60 Hz, 230V \pm 10%
 - 3~ 50/60 Hz, 400V \pm 10%
- Power:
 - 0.25~4Kw (single phase)
 - 0.25~37Kw (three phase)
- Direct On Line (DOL) motor starters
- 230V/24V, 400V/24V transformer for control circuit
- Low voltage inputs for float or pressure switches
- Hand-Off-Auto selector switches for each pump
- Main power disconnect switch with door interlock handle
- LED indicator lights for Power ON, Pump Running, and Pump Tripped
- High level alarm buzzer
- Alarm silence push button
- Protection class: IP55
- Operating temperature: -5°C to +40°C
- Storage temperature: -20°C to +60°C
- Relative humidity: 50% at 40°C, non-condensing
- Automatic pump alternation (dual pump)
- Thermal overload relay with phase loss sensitivity
- Motor short-circuit and over-current
- Control transformer with fusing
- CE certified - no agency approvals for use in the United States or Canada.

OPTIONS

- Emergency stop button
- Power failure alarm
- Horn and beacon, 24 VDC (two auxiliary relays) for level alarm
- Phase loss, phase reversal, over-voltage, under-voltage protection
- Hour meter for each pump
- Cycle counter for each pump
- Voltmeter / Ammeter
- Panel anti-condensation heater
- Additional options available upon request