



**SMART PUMP
MANAGEMENT IoT SYSTEM**

ECIJ *series*



Perfect Solution to Perfect Water Pressure!

Who we are?

Powered by technology and the spirit of innovation, **ECT PUMP** always tries to set a benchmark when it comes to quality and performance. **ECT PUMP** has the experience, expertise, commitment and a clear vision to be a precursor of change, an innovator of new enhanced technologies involving efficient energy water controllers.

ECT PUMP produces different varieties of VFD's and controllers for the water industry that is aim at accuracy and perfection.

The name **ECT PUMP** itself encapsulates the company ethos : "RESPECT" as we would be like to be respected as one of the leaders in the manufacturing of VFD and controllers for the water industry.

With a solid production capacity of over 20,000 per annually, **ECT PUMP** has been rated as one among the best OEM manufacturers for well-known pump manufacturers. **ECT PUMP** constantly upgrades the product features to match with the ever changing market trend & customer needs and vow that we will never say "NO" to adding features our partner's request/demand.

Specification

	EIJ-S100	EIJ-4000L/S	EIJ-4500L/S
Single phase model			Power: 0.75~2.2kW Input power: 1×220V Output power: 3×220V
Three phase model	Power: 0.75-75kW Input power: 3×3/480V Output power: 3×3/480V	Power: 0.75-22kW Input power: 3×3/480V Output power: 3×3/480V	
Main frequency	50/60Hz	50/60Hz	50/60Hz
IP Class	IP20	IP55	IP55
Ambient temperature	-10~+50 C	-10~+50 C	-10~+50 C
Connections	RS-485 port	RS-485 port	RS-485 port
Pressure transmitter	4~20mA	4~20mA	4~20mA
Display	Graphic LCD type (3.5")	CUSTOM/GRAPHIC LCD	LCD
Built-in-devices	Built-in EMC filter (IEC61800-3) Built-in DC reactor		



ECIJ-4500L

ECIJ-4500L

ECIJ-4500L is a single phase specific pump VFD which adjusts the pump speed to maintain constant pressure to max. energy saving. The drives can be applied for residential and commercial water supply, water treatment etc.. As the drives are self cooling and motor-independent structure, it can be installed directly on the motor.

TECHNICAL SPECIFICATION

Available power: 0.75kW
Input power: 1x220/240V
Output power: 3x220/240V
Main frequency: 50/60Hz
Maximum frequency: 60Hz
IP Class: IP55
Class: C1
Maximum distance of pressure transmitter from drive: 10 meters
Ambient temperature: -10 C to 50 C
Humidity 50% at 40 C and 90% at 20 C

PROTECTIONS

Dry running
Low water level detection
Minimum level detection
Over/under voltage Inverter
Pressure setting
Sensor failure
Pump overload

FEATURES

LCD display
Energy savings up to 70%
Constant discharge pressure control
Automatic recovery after power failure
Easy retrofitting on existing pump system
Mounted directly on standard I.E.C. motors
Flexible installation(motor, wall)
Back-light indication to indicate pump status



ECIJ-4500S

ECIJ-4500S

ECIJ-4500S is a single phase specific pump VFD which adjusts the pump speed to maintain constant pressure to max. energy saving. The drives can be applied for residential and commercial water supply, water treatment etc.. As the drives are self cooling and motor-independent structure, it can be installed directly on the motor.

TECHNICAL SPECIFICATION

Available power: 0.75~2.2kW
Input power: 1x220/240V
Output power: 3x220/240V
Main frequency: 50/60Hz
Maximum frequency: 60Hz
IP Class: IP55
Class: C1
Maximum distance of pressure transmitter from drive: 10 meters
Ambient temperature: -10 C to 50 C
Humidity 50% at 40 C and 90% at 20 C

PROTECTIONS

Dry running
Low water level detection
Minimum flow stop
Over/under voltage Inverter
Pressure setting
Sensor failure
Pump overload

FEATURES

LCD display
Energy savings up to 70%
Constant discharge pressure control
Automatic recovery after power failure
Easy retrofitting on existing pump system
Mounted directly on standard I.E.C. motors
Flexible installation(motor, wall)
Back-light indication to indicate pump status



ECIJ-4000

ECIJ-4000

ECIJ-4000 is a three phase specific pump VFD that manage the pump performance to match a wide range of the system conditions and requirement for energy saving. The drives are self cooling and motor-independent structure, it can be installed directly on the motor or an option to be installed on walls.

TECHNICAL SPECIFICATION

Available power: 0.75~22kW
Input power: 3x380/440V
Output power: 3x380/440V
Main frequency: 50/60Hz
Maximum frequency: 60Hz
IP Class: IP55
Class: C2
Maximum distance of pressure transmitter from drive: 10 meters
Ambient temperature: -10 C to 50 C
Humidity 50% at 40 C and 90% at 20 C

PROTECTIONS

Dry running
Low water level detection
Minimum flow stop
Over/under voltage Inverter
Pressure setting
Sensor failure
Pump overload

FEATURES

LCD display
Max. up to 6 parallel operation (Note: EIJ-4000L is max. up to 4 pumps)
Energy savings up to 70%
Constant discharge pressure control
Automatic recovery after power failure
Easy retrofitting on existing pump system
Mounted directly on standard I.E.C. motors
Flexible installation(motor, wall)
Back-light indication to indicate pump status



ECIJ-S100

ECIJ-S100

ECT PUMP and LS inverters(LG) have joint forces and have delivered an alternative answer to replace the motor mounted VFD's and introduced the all new ECIJ-S100 series. The ECIJ-S100 is a three phase specific pump VFD that manages the pump performance to match a wide range of the system conditions and requirement for energy saving. The drives are self-cooling and motor-independent structure, it can be Installed directly on the motor or an option to be installed on walls.

TECHNICAL SPECIFICATION

Available power: 0.75~75kW
Input power: 3x380/440V
Output power: 3x380/440V
(3x220/240V is available upon request.)
Main frequency: 50/60Hz
Maximum frequency: 60Hz
IP Class: IP20
Class: C2
Maximum distance of pressure transmitter
from drive: 10 meters

PROTECTIONS

Dry running
Low water level detection
Minimum flow stop
Over/under voltage Inverter
Pressure setting
Sensor failure
Pump overload

FEATURES

LCD display
Max. up to 6 parallel operation
Energy savings up to 70%
Differential pressure/temperature function
Half pump system
Jockey system
Constant discharge pressure control
Automatic recovery after power failure
Easy retrofitting on existing pump system
Mounted within a panel
Back-light indication to indicate pump status

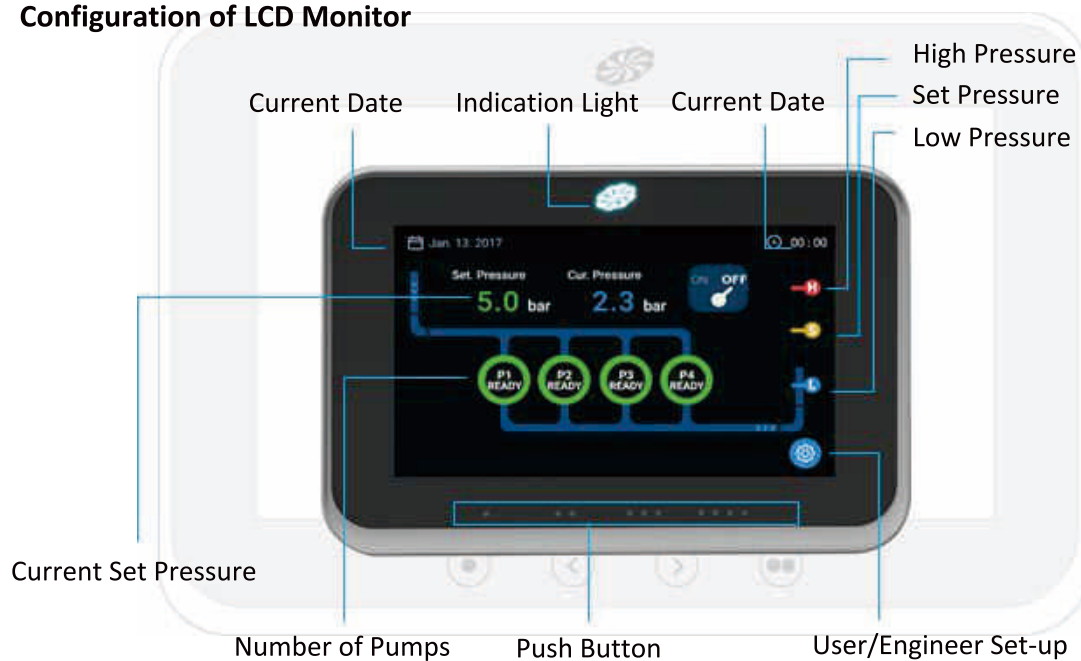


ECIJ-M70T

ECIJ-M70T

M70T provides an enhanced and comfortable user interface with 7" color LCD Touch screen. It displays several status of the Booster system, Alarm report, operating data and supports operation scheduling, data storage, etc.. With a internet modern port within the M70T, our **ECT PUMP** Phone/Web Application can be utilized to monitor your pump system anytime, anywhere.

Configuration of LCD Monitor



FEATURES

- LCD Panel - Displays various information through large LCD
- Language - Korean / English / Chinese
- Schedule Operation - timely/weekly/monthly
- Operation History - Records and display the operation history
- Alarm - Records and displays the alarm history
- External contact - Monitoring the drive from external place is available
- RS-485 - Supports RS-485 comm.
- Internet application available: IOS/ANDROID



ECIJ-1000 Series

ECIJ-1000 Series

ECIJ-1000 series is a pump specific controller that manages the pump performance to match a wide range of the system conditions and requirement for energy saving. The controller can be applied for pressure boosting system, water treatment and HVAC system etc.

Functions

Model: ECIJ-1000/ ECIJ-1004
Automatic alternation (cycle-based or time based)
Alarm log
Schedule operation
Serial communication (BMS: RS-485/RS-232)
Internet Monitoring (TCP/IP)
Main Frequency: 50/60 Hz

Operation Method

ECIJ-1000: 1 VFD + 4 DOLs
ECIJ-1004: 4 VFDs + 1 DOL

FEATURES

Constant discharge pressure
Differential Pressure
Temperature(PID control)
Max. up to 5 pumps linkage
LED Touch screen
Available the back-light to indicate the pump condition



Your local distributor details:

