EWE
ENERGY & WATER EFFICIENCY

ECO EWE Chiller Optimisation

Air Conditioning and Refrigeration Chiller Energy Saving System reducing kWh Energy Consumption and Electricity Costs of

up to 20%

for Air Conditioning and Refrigeration Chilled Water Systems

The ECO (EWE Chiller Optimisation) micro-processor modular control system provides factory programmed software to optimise all centrifugal, screw, reciprocating, and absorption chillers. The optimiser combines the highest quality "state of the art" hardware and software with specialised chiller control algorithms developed throughout hundreds of Chiller Water System Optimiser installations.

Some of the key benefits of this chiller optimiser system are:

a) A modular design concept allows control and optimisation from one to multiple chillers via a 4-20mA signal from each local chiller control panel.
b) No variance in cooling / temperature within a building.
c) No comfort compromise for tenants or guests or
d) Improvements in operational efficiency (improved compressor life).
e) Energy Consumption and Electricity Cost Savings, up to 20%.
f) Reduction in Carbon Emissions and Footprint.

The ECO utilises the sophisticated software capabilities provide automated control to optimise most chillers.

The result is a major reduction in energy consumption and cost of up to 20% together with improvements in temperature and compressor control.

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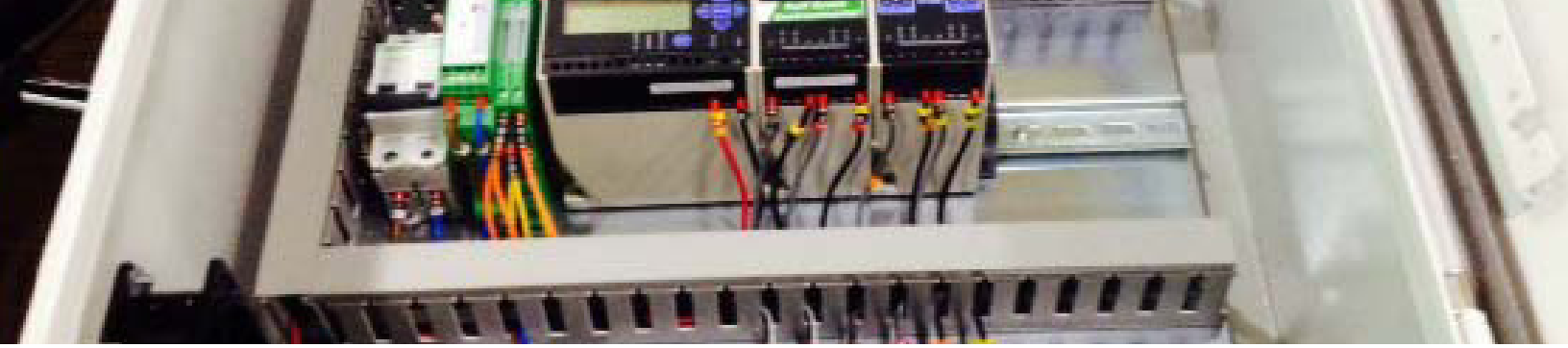

Key Features

The Chiller Optimiser offers unique bespoke features unlike any other chiller optimiser. These features include:

1) Operational data retrieval and performance from data loggers.
2) Internal diagnostics program.
3) Interface with existing EMS or BAS products.
4) Proven by energy consumption data and testimonial reports to provide information regarding validation (M&V) capabilities, for the demonstration of actual energy savings, including kWh metering.
5) Analogue module inputs to record chiller temperature or pressure operating parameters or weather conditions, which may affect the chiller / chillers performance or maintenance requirements.
6) Modular fully enclosed design.
7) Superior built in optical surge protection.
8) Load shed function.
9) Maximum Demand controller with 30 minute interval.
10) Alarm features and Bypass function.
11) C/F temperature settings with partial degree indicators.
12) Archives by day, month or year, Logging and trend features.
13) Secured access levels.

Key Applications:

- Hotels
- Apartments
- Fish Farms
- Leisure
- Factories
- Government Ministry Buildings
- Farming
- Service Stations
- Hospitals
- Shopping Malls
- District Cooling
- Data Centres
- Airport Terminals
- Catering Facilities
- Supermarkets

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