Universal Control Panel incorporating SIMS™ Technology

Description
The universal control panel incorporating SIMS™ technology has been designed for installation to a variety of packaged heat exchanger systems. Due to the versatility in pre-programmed controls logic it can operate with a range of different heat exchanger models and configurations.

SIMS™ technology sets the standards in monitoring, diagnostics and communications for packaged systems. Delivering meaningful system performance data from enabling it to intelligently control and optimise a system.

Features and Benefits:
- Different selectable heat exchanger options
  - Single panel to provide flexibility for packages
- Touch screen interface
  - Easy to view and navigate
- Live trending / diagnostics
  - Instant visibility of package performance
- Communications
  - Compatible with most customer interfaces
- Pre-configured controls logic
  - Multiple array of configurations to suit package design

Approvals and Compliance:
- UL Approval
- CUL Approval
- CE Approval
- EN12828 Compliant
- EN14597 Compliant
- BS EN 61439

Available options:
- R1 - SMS or text alert
- R2 - Remote access
- Communications protocols
- Independent alarm

Dimensions and weights (approximate):
- Height 900 mm
- Width 450 mm
- Depth 200 mm
- Weight 43 kg

Electrical specifications

<table>
<thead>
<tr>
<th>Electrical supply: Refer to the name-plate on the unit</th>
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<tbody>
<tr>
<td>Control panel supply voltage</td>
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<tr>
<td>Control panel load requirements</td>
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<tr>
<td>Electrical control actuator</td>
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<tr>
<td>Pneumatic control actuator</td>
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<tr>
<td>High Limit isolation valve (optional)</td>
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<tr>
<td>Steam flowmeter TVA (optional)</td>
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<tr>
<td>PT100 temperature sensors</td>
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</tbody>
</table>

Note: Power supply 10 - 16 A

Electrical supply

All electrical wiring and connections should be carried out in accordance with National Regulations.

A lockable isolator / switch disconnect should be fitted adjacent to the unit.

Mains supply is directly connected to the primary side of the incoming control panel isolator.
**Compatible with hundreds of configurable variations**
The Universal Control Panel with SIMS™ technology, offers increased monitoring and control capabilities to a huge range of technologies - A few of which are shown below:

- Alarms sent directly to your smart phone
- Hardwired or wireless communication options available
- View your system status from anywhere in the world

Universal control for multiple technologies

- Plate & frame
- Shell & plate
- Turflow
- ‘U’ tube
- Shell & coil

Steam side heating
Steam side domestic hot water
EN 12828
Bypass steam control
Bypass condensate control
Condensate control

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