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Universal Control Panel

incorporating

SIMS™ Technology

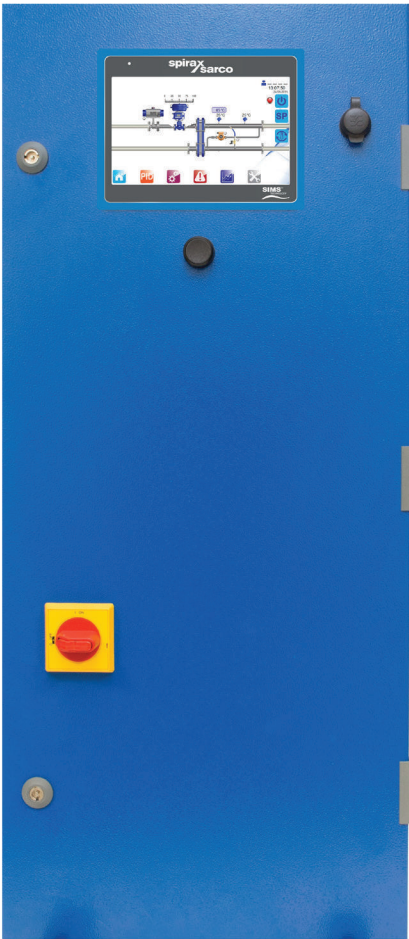
TI-P481-12

CH Issue 1

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

6.2

17

Electrical specifications

Electrical supply: Refer to the name-plate on the unit

Control panel supply voltage	110 Vac/60 Hz
	240 Vac/50 Hz
Control panel load requirements	Internally fused at 5 amps
Electrical control actuator	24 Vac
	4 - 20 mA control
Pneumatic control actuator	-
	4 - 20 mA control
High Limit isolation valve (optional)	24 Vac
Steam flowmeter TVA (optional)	4 - 20 mA control
PT100 temperature sensors	3 wire

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.

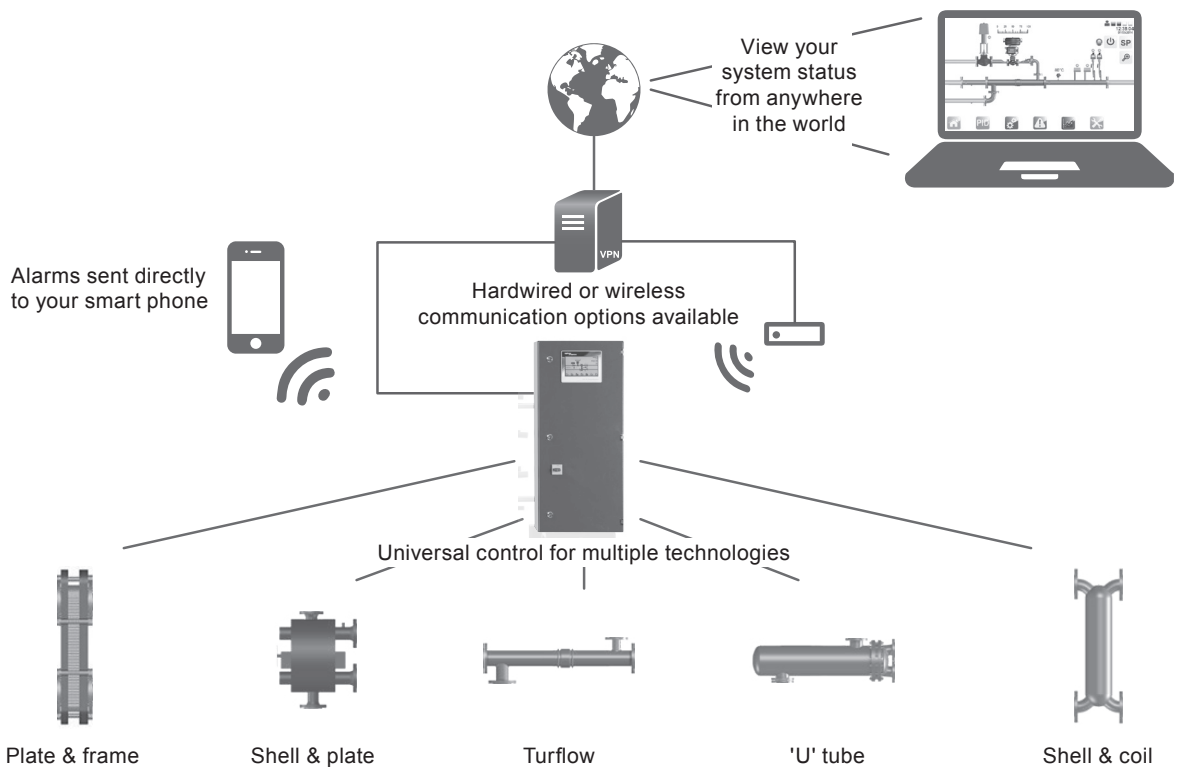
Mains supply is directly connected to the primary side of the incoming control panel isolator.

Heat transfer solutions

Heat exchangers

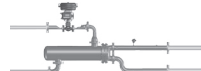
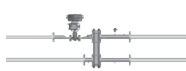
Compatible with hundreds of configurable variations

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:

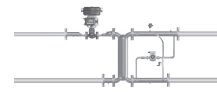
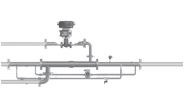
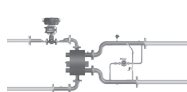
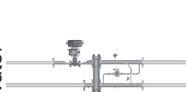


6.2
18

Steam side
heating



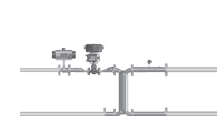
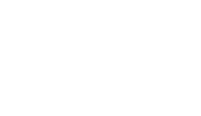
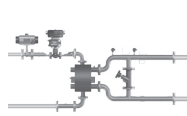
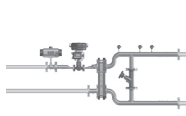
Steam side
domestic hot
water



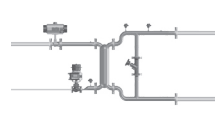
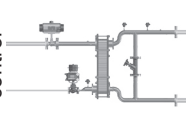
EN 12828



Bypass steam
control



Bypass
condensate
control



Condensate
control

