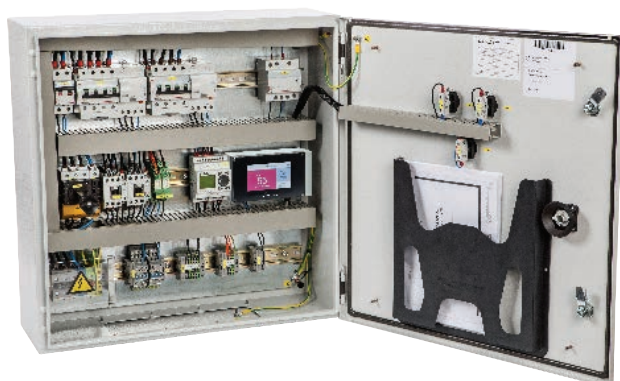# SBS-XX-HV-ECO-10

Raychem

Control panel for hot water temperature maintenance systems

DESCRIPTION

The Raychem SBS-XX-HV-ECO-10 control panel for hot water temperature maintenance systems provides a totally integrated solution for the control of Raychem self regulating heating cables for single pipe hot water temperature maintenance applications. The control panel comprises the energy efficient HWAT-ECO control system with integrated standard, economy, and "Tap time" set-back timer functions. The control panel also includes monitoring of the boiler output temperature and low temperature alarm in the event of low boiler output temperature. SBS-06-HV-ECO-10 and SBS-09-HV-ECO-10 also includes an integrated time shift logic module for phased switch-on of the heating circuits to prevent in-rush surges when the circuits are activated.

The SBS-XX-HV-ECO-10 panels switches up to 9 circuits of HWAT-Lor HWAT-R self regulating heating cable. The panel also includes electrical circuit protection devices (C-type circuit breakers and RCD protection) for safety and peace of mind. The panels need only be connected to the 400Vac (3 phase) supply.

ADVANTAGES

- Integrated electrical safety, control, and heater connection of multiple heating circuits from the heat tracing manufacturer
- Alarm function for system monitoring
- Boiler monitoring sensor for low temperature alarm.
- Integrated control unit HWAT-ECO v5

TECHNICAL DATA

Control	HWAT-ECO Smart control device, pre-installed and electrically connected
Supply voltage	400V (3 Phase)
Circuit voltage	230V / 50/60Hz Customer specific (quick and easy menu driven set-up)
Sensor	Boiler output temperature sensor (Line sensor) NTC Sensor
Panel approval	CE (Approved to IEC61439)
Main switch	32A-63A
RCD	30mA
Line circuit breakers	20A (Type C) per heating circuit
Selector Switch	Auto / Manual heating circuit mode
Alarm function	1 general potential free alarm contact; alarm light indicator on panel front

chemelex

RELATED PRODUCTS

The SBS-XX-HV-ECO-10 control panel is compatible with the Raychem hot water temperature maintenance cables:

HWAT-L

HWAT-M

HWAT-R

TECHNICAL DATA

Colour	Structural paint, RAL 7035, light grey
Protection class	IP65
Installation location	Indoor
Ambient temperatures	+10°C to +35°C

Cabinet type			SBS-03-HV-ECO-10	SBS-06-HV-ECO-10	SBS-09-HV-ECO-10
Number of heating circuits, max.			3	6	9
Housing version			Wall-mounted	Wall-mounted	Wall-mounted
Dimensions	Width	mm	600	600	800
	Height	mm	600	600	800
	Depth	mm	210	210	210
Weight	approx.	kg	45	45	55

ORDER REFERENCE

Product name	Order reference	Description
SBS-03-HV-ECO-10	035958-000	Up to 3 circuit control panel for HWAT system
SBS-06-HV-ECO-10	539268-000	Up to 6 circuit control panel for HWAT system
SBS-09-HV-ECO-10	294452-000	Up to 9 circuit control panel for HWAT system

INSTALLATION INSTRUCTION

Complete panel wiring information and schematics are provided with the product. All electrical installations must be carried out by an approved electrician in compliance with local electrical requirements and norms.

Europe, Middle East, Africa, India

Tel   +32 16 213 511

Fax   +32 16 213 604

info@chemelex.com

chemelex

excellence is everything

Raychem   Tracer   Pyrotenax   Nuheat