

STAND-ALONE CONTROLLERS



FEATURES

- Easy to install and commission
- Shipped with typical default values, reducing commissioning time
- Operates a three port valve or boiler
- Max. return function for District Heating applications
- Adjustable economy function
- Night Set Back (NSB) and set-up/boost inputs
- Flow high limit feature
- User configurable Day/Night plant operation
- Room influence mode selection
- Cost effective upgrade of obsolete Climatronic controllers
- Compatible with previously installed Satchwell sensors

COMPENSATORS

CSC Compensator Controllers

CSC Compensators are designed primarily for use in residential/commercial radiator systems to control either a three port mixing valve or a boiler. The controller senses outside temperature and varies the water flow temperature to the radiators. As the outside temperature falls, the radiator temperature is increased, and vice versa.

An optional room temperature sensor can be used to trim the water temperature based on room temperature. The CSC can average up to four room sensors.

	Version	Output
CSC 5252	Mains or 24V output with no clock	Valve or boiler, 24Vac or 230Vac
CSC 5352	Mains or 24V output with clock	Valve or boiler, 24vac or 230Vac, Pump triac, 24Vac, 1A maximum
Data Sheet 2.021		

INSTALLATION DETAILS

Power supply: 230Vac 50/60Hz

Power failure reserve: Settings stored in memory, 1 year battery for clock

Protection class: IP 30

Switched Inputs

Night Set Back (NSB): remote voltage free, make/break contacts. Normally closed.

Set Up (Boost): remote voltage free, make/break contacts. Normally closed.

Outputs

Valve actuator or boiler output relays: 2 x single pole ON/OFF (interlocked) 230Vac, 10A resistive, 6A inductive.

Pump Output: 1 x 24Vac triac, 1A (0V switched). Clock version only.

Output Supply: 2 x 24Vac terminals used to power external devices up to a total of 10VA maximum.

SENSORS

Current Sensor	Type	Replaces
STR600	Space	DRT 3453
STR612	Space	DRT 3451
STC600	Water (Strap on)	DST 0001
STP660	Water (Immersion)	DWT 0001
STO600	Outside	DOT 0002
STR602	Remote setting	RPW 4425