

ATC High Temperature Radiant Heaters



ATC High Temperature Radiant Heaters provide an economical and draught free means of heating in commercial, agricultural and industrial premises. They can be mounted on the ceiling or wall with optional Tilt Brackets.

Product Features

- Three panel Heat outputs 1800W, 2400W and 3600W (3Ph)
- Energy efficient low energy costs
- Draught and Noise free
- Long life Aluminium heating element
- Exceptional heat output due to protected technology
- Can be Ceiling or Wall Mounted with optional tilt wall brackets
- Optional Protective Grille available
- Attractive white finish
- IPX4 Protection
- Recommended mounting height 3m to 4.5m



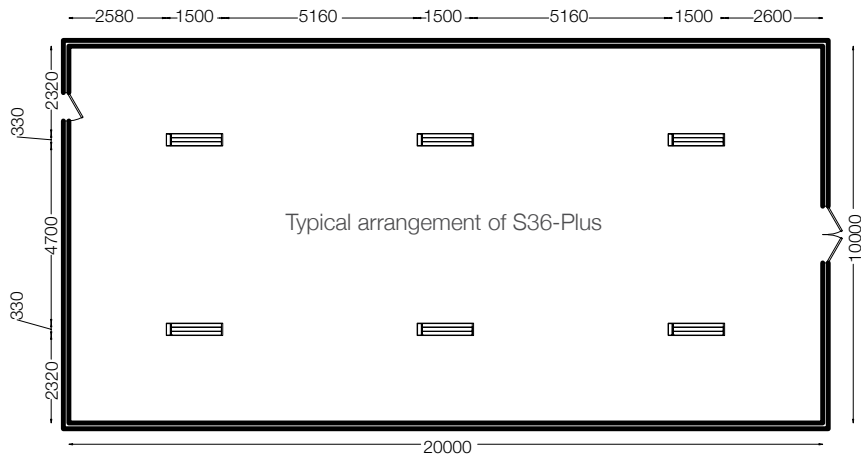
Carrick Elm Church. Co. Antrim

Technical Details

Code	Heat Output(W)	Voltage (V)	Hz	Amps (A)	LxHxW (mm)	Weight (kg)	IP Rating
S18-PLUS	1800	230	50	7.8	1500 x 250 x 60	9.9	IPX4
S24-PLUS	2400	230	50	10.4	1500 x 250 x 60	9.9	IPX4
S36-PLUS	3600	415	50	5A	1500 x 350 x 60	13.9	IPX4

SCHOOLS – GYMS – WAREHOUSES – COMMUNITY HALLS – TRADE COUNTERS

Heating Design Service



Ecosun Accessories

Code	Ecosun Accessories
5401785 -PLUS	Tilttable Wall Brackets for S18, S24 & ES36 Heaters
5401792	Protective Grille for S18 & S24 Ecosun Heater ES36 for Ecosun Heater
5401794	PROTECTIVE GRILLE for ES36 for Ecosun Heater

Design Facility

We are committed to providing comprehensive technical support for all your radiant ceiling heating projects. We are now in a position to offer the most comprehensive design service yet. Simple sketches and dimensions can be converted into a professional drawing plan and quotation. All plans can be electronically sent and received for maximum efficiency e-mail: sales@atc.ie



Workshop

Controlling Radiant Heaters

Radiant heaters can be installed individually or in groups (zones). In order to ensure that the heaters operate energy efficiently, it is recommended that they are controlled correctly for the application they are intended for.

There are a number of control options which should be considered when designing the heating system.

Outdoor Radiant Heating

Outdoor radiant heaters can be controlled individually by a suitably rated Switch, or if the heaters are to be zoned in groups it is advisable that they are switched by a suitably rated contactor.

- **EXTLSW EXTERIOR TIME LAG 2 - 20 MINS 16 AMP.** Ideal for energy saving control of external heaters and exterior lighting. The EXTLSW is also suitable for damp areas. Pressing the touch sensitive area brings the connected load on. The load is then switched off automatically after the time lag has elapsed. The time lag is adjustable from 2 to 20 minutes.



EXTLSW Exterior Time lag



TKS16 Thermostat



CIRT Regulator / Controller

Ecosun radiant heating

Ecosun Radiant heaters are usually installed in groups or zones. There are a number of control options:

- **CIRT VARIABLE OUTPUT REGULATOR**

The CIRT is a variable output Regulator with timer, designed for radiant heating and is especially suited for spot and zone heating. The heat output can be regulated between 25% and 100% of the output of the heaters. A built-in timer can be set for periods from 30 minutes to four hours (30mins, 60mins, 120mins and 240mins). Maximum load is 3600watts at 230V.

Note: CIRT and ERP/ERPS are not suitable for Alfresco & Varma heaters

• **ERP REGULATOR / CONTROLLER.**

The ERP is a variable output Regulator that has a built – in temperature sensor to precisely control the energy use in the area to be heated. The temperature can be adjusted by the control knob on the unit. The current is electronically switched by triac without any moving parts and is therefore silent and maintenance free. Maximum load is 3600watts at 230V. The ERP can be used in conjunction with a slave unit (ERPS) to control the heating output in larger areas. Maximum load is 3600watts at 230V.

• **ERPS SLAVE UNITS.** The ERPS slave unit operate in conjunction with the ERP Regulator to control the heating output in larger areas. Maximum load is 3600watts at 230V. Each ERP can control one additional ERPS slave unit.



ERP Regulator/Controller

• **TKS16 THERMOSTAT.** The TKS16 Thermostat is an electronically controlled thermostat with an adjustable control knob. Maximum load is 16A

• **KUR TIME CLOCK.** The KUR is a 24 hour / 7 day programmable timer which will ensure that the heating system is not energised while the premises are unoccupied (at night or at weekends). It will also ensure that the heating system heats up the area prior to arrival at the premises.

Ecosun and IR three phase radiant heaters are usually installed in groups or zones.

To switch the output of ES36 and IR heaters an S123 is used.

• **S123 3 POSITION SWITCH.** The S123 three position switch is typically used with the 3 Phase Ecosun and IR Radiant Heaters. The S123 switch will allow the end user to manually decrease or increase the heating output in steps 1/3, 2/3 and full output. Maximum load is 20A 3 Phase.

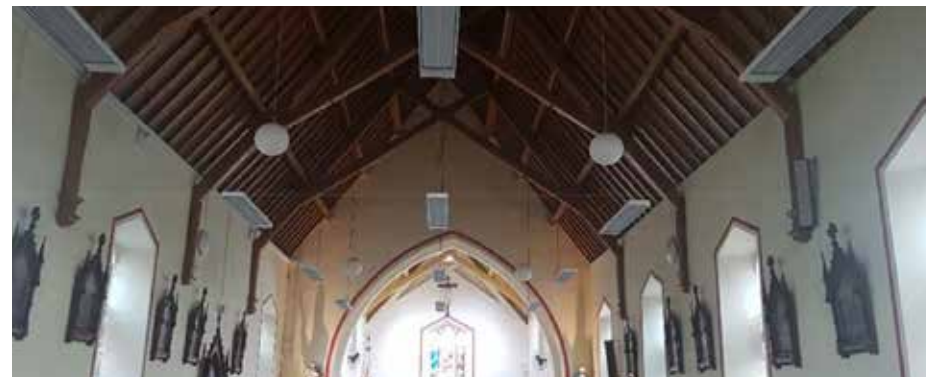


S123 3 Position Switch



KUR Time Clock

Case Study **Kilmovee Church:** ATC High Temperature Radiant Heaters



Client

Kilmovee Church, County Mayo, Ireland

Client Requirements

Kilmovee Church required a heating solution to create a comfortable level of heat throughout the church that was energy efficient, within budget and aesthetically pleasing.

A main criteria was for a solution which did not have to be mounted on the walls due to existing wall panelling and benches throughout the location.

ATC carried out a heating survey and recommended the S24-Plus High Temperature Radiant Ceiling Heaters.

Product Criteria

- Energy Efficient Radiant Heating for a high ceiling location which is typically draughty
- Aesthetically pleasing and discrete heating solution required as it will be in full view of the public
- Economical heating solution which is easy to control and allows the area to be zoned.

Product Evaluated and Chosen:

Following the results of the heating survey, Kenaidan Electrical Contractors installed 24 ATC Ecosun 2400w High Temperature Radiant Ceiling Heaters.

A discrete yet appealing floating effect was achieved with grapple wire, black flex and conduit which were used to suspend the heaters from the Church Ceiling. The heaters can be individually or collectively controlled.

Both the Contractor and the Customer confirmed the visual results achieved exceeded their expectations and they are extremely pleased with the heat output and comfort.

Year 2018