

IMPORTANT SAFETY INFO

ARE YOU COMPARING QUOTES?

DO YOU KNOW IF YOU'RE GETTING EVERYTHING YOU NEED?

Don't leave yourself open to liability, ensure that you are using the correctly supplied product...

Are your electric duct heaters fitted with stainless steel finned air heating elements?

TEE supply all electric duct heaters (EDH's) fitted with SS finned air heating elements. Others may be supplying EDH's with an inferior mild steel painted surface finish which continuously bake or burn over a period of time, releasing fumes into the duct. These fumes are known to cause **SBS "sick building syndrome"** which affects all individuals within the building and can result in unwanted illness and possible liability! Sick Building Syndrome is often caused by an air conditioning system that is re-circulating polluted air - please ensure that your EDH is not the cause of SBS.

Are your electric duct heaters correctly wired?

TEE supply all electric duct heaters with a balanced load being achieved across all phases and effectively staged to ensure an even heat dissipation is distributed evenly across the duct face area. All EDH's are pre-wired using high temperature rated silicone insulated cabling to high temperature terminal blocks with stand offs.

Are your electric duct heaters adequately protected to prevent a fire?

Australian Standards specify that there **must be a minimum of two safety devices to prevent the event of a fire**, this can be achieved by using 2 x over-temp thermostats or 1 x over-temp thermostat and an air pressure switch connected in series with each other. Ensure that your EDH's are coming complete with high temperature kao board or millboard high temperature insulation on the underside of the terminal box and a minimum of 300mm upstream and downstream from the heaters if a duct section is being provided.

At Thermal Electric Elements our quotes for electric duct heaters include the following as standard product, unless specified:

- Stainless Steel finned elements
- 120°C manual reset over temperature thermostat
- Fire proof insulation on the flanged terminal enclosures to meet Australian Standards.
- High temperature silicone wiring to Bakelite terminal blocks if required
- Element supports for elements over 600mm in reach
- Minimum duct face coverage 70%

Optional extras include:

- Adjustable air pressure switches
- 60-150°C adjustable manual reset over-temp thermostats
- Weatherproof terminal boxes
- Isolation switches and contactors per stage
- Auto reset thermostat

Thermal Electric Elements can also manufacture complete duct sections, complete with fire proof insulation and 35mm TDF flanges; spiggots; or slide connections.

All units manufactured by Thermal Electric Elements comply with Australian Standards AS3102 under certification no: 5162



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