

AvtechTyee's windshield temperature controllers (WTC) are onboard many regional and corporate aircraft. The AvtechTyee WTC unit senses windshield temperature, controls the flow of heating current, and has BIT functions to detect failures in the windshield heater element and temperature sensors. In case of a failure, the unit informs the Engine Indicating Crew Alert System (EICAS) of the failure. The controller is designed to minimize windshield stress by incremental temperature ramp warm-up. The unit provides windshield overheat protection and is built to meet lightning strike, precipitation static, and HIRF requirements.



WINDSHIELD TEMPERATURE CONTROLLER

Historically, AvtechTyee has worked with windshield manufacturers and OEM to custom tailor the WTC to fit the application and airframe requirements. Contact Avtech to create your custom controller today.

- Custom designed to meet the airframe/windshield requirements
- BIT options available
- Protected against the harmful effects of lightning strikes, precipitation static and HIRF
- Slow ramp up prevents undue temperature stress on windshields
- Protected against heater runaway by integrating short and open sensor protection

Since 1969 AvtechTyee has been a leader in the design, development, and manufacture of electronic systems for the aerospace industry, with a focus in three product groups: Audio, Avionics and Structures.

AvtechTyee products are flying onboard 42 aircraft types within the air transport, regional commuter, and business jet sectors, serving 450 customers in 49 countries of the world.

Our versatility in supporting aerospace electronics requirements ranges from the custom design and manufacturing of complex power supplies to complete Digital Audio Systems.

AvtechTyee is certified to ISO9001, AS9100 and the FAA's ACSEP. Product Support includes in-house repair services (FAA approved Repair Station #IG6R621N), loaner/exchange programs, and both in-house and off-site airline training.

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Part Number 1635-1-1

Part Number 1635-1-1 contains two separate, independent controllers on a single base plate. The front side controller has a rating of 2,400 Watts at 200VAC, 400Hz and the side windshield controller is rated at 750 Watts at 115VAC, 400Hz.



Part Number 1659-1-1

Part Number 1659-1-1 has a pin programmable option that allows either a 4000 Watt, 200 VAC, 400Hz or 2,300 Watts at 115 VAC, 400Hz output. This allows a single part number controller to be used for multiple windshield types.



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