

The AvtechTye 5900 series of configurable, Display Control Panels (DCP) provides the needed customer user interface to Rockwell Collins 5 ATI series of flat panel displays. The DCP program, in conjunction with Rockwell Collins 5ATI displays, provides EFIS functionality to standard and "classic", electromechanical aircraft and allows a single, configurable baseline design that provides a common fleet solution.



MULTIPLE USER INTERFACES AVAILABLE

There are over twenty five versions of the 5900 series DCPs that all share a common electronic and software core. The only difference is the custom user interface. This philosophy of easy reuse has helped make the Collins 5 ATI program successful.

- Versatile design provides a single hardware and software core for all available configurations
- Certified on Air Transport, Helicopter and Military aircraft.
- Military NVIS configurations available
- The DCP accepts both 28 VDC and 115 VAC 400 Hz inputs for maximum aircraft flexibility
- The DCP accommodates the following control functions: 16 momentary push buttons; 16 toggle pushbuttons; 4 rotary switches; 3 rotary select controls; 2 pushbutton selects; and 1 cursor or joystick.
- The DCP accepts a total of four ARINC 429 high speed data bus inputs and two ARINC 453 inputs.
- The DCP provides two ARINC 429 outputs and one ARINC 453 output

Since 1969 AvtechTye 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.

AvtechTye 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.

AvtechTye 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 offsite airline training.

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SPECIFICATIONS

ENVIRONMENT	RTCA DO-160C SECTION, CATEGORY
Temperature and Altitude	Section 4.0, Category A1
Temperature Variation	Section 5.0, Category C
Humidity	Section 6.0, Category A
Vibration	Section 8.0, Random Excitation: B and B' Sinusoidal Excitation: MNP
Explosive Proofness	Section 9.0, Category X
Fungus	Section 13.0, Category F
Magnetic Effect	Section 15.0, Category Z
Power Input	Section 16.0, Category A DC Power source, Category E for AC power source
Voltage Spike	Section 17.0, Category A
AF Conducted Susceptibility - Power Inputs	Section 18.0, Category B
Induced Signal Susceptibility	Section 19.0, Category Z
RF Susceptibility (Conducted and Radiated)	Radiated: Section 20.5, Category R Conducted: Section 20.4, Category R
Emission of RF Energy	Radiated: Section 21.4, Category Z Conducted: Section 21.3, Category Z
Lightning Induced Transient Susceptibility	Section 22.0, Category A3XX
Fluids Susceptibility	Section 11.0, Category X
Operational Shock	Section 7.2.2, Category X
Crash Safety Impulse Shock	Section 7.3.1, Category X
Water Proofness	Section 16.0, Category X
Sand and Dust	Section 12.0, Category X
Salt Spray	Section 14.0, Category X
Lightening Direct Effects	Section 23.0, Category X
Icing	Section 24.0, Category X



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