Korry

Illuminating. Always.

Control Panels

Versatile HMI solutions for air, shipboard, and ground applications

Korry is a recognized world-leader in design and manufacture of control product solutions for both commercial and military applications.

Korry is committed to applying our proven HMI technologies to our customers' most challenging standards, delivering high-reliability information display and controls for use in the toughest airborne, naval, and ground environments.

We draw on our range of expertise in optics, electronics, software, mechanical packaging, and mechanism design as well as our proprietary technologies in illumination, displays, switch panels, switches, and indicators.

Our multidisciplinary teamwork means customers receive fully developed and cost-effective solutions to meet a wide-array of needs.

Controllers

Korry control solutions for aerospace and defense applications provide high-reliability control and display functions for communication, warning, advisory, flight, and engine systems. We integrate cost-effective, plug-and-play subsystems, drawing on our entire range of expertise in optics, electronics, software, mechanical packaging, and mechanism design.

Our products implement hardware and software architecture solutions for control logic, communications, graphics generation, and display drivers. They are designed to standards that include for software RTCA/D0-178 and MIL-STD-498, for hardware RTCA D0-254, and for dynamic/environmental RTCA/D0-160 and MIL-STD-810.

Left Wing Panel

As lead architect for control panels for our customer's flight deck, the left wing panel was one of several integrated control panels that comprised a suite of HMI devices communicating via EIA 422.

RT-1042 ATC/TCAS Controller

The RT-1042 was developed to meet the mandate for Mode S elementary surveillance within the airspace of major European countries. It integrates LED display technology, provides ARINC 429 communications, and is TSO approved.

Flight Director Display Control Panel (FDDCP)

Designed and developed for the UH-60M Blackhawk, the FDDCP is an all-LED, NVIS compatible solution with modular architecture for streamlined reconfiguration and maintenance. Featuring alphanumeric LED displays, encoder knobs, and lighted pushbuttons, more than 2,000 units have been deployed worldwide.

Display Control Panel

This display control panel was developed with our customer and utilizes Korry 307 pushbutton switches to meet the optical and switching requirements. It provides ARINC-429 communications to the aircraft.

Flight Director Display Control Panel (FDDCP)

This version of the FDDCP was designed and manufactured by Korry for the Sikorsky CH-53K helicopter. Incorporating an all-LED NVIS-compatible keypad panel, the Korry solution weighs less, draws less power, and costs less than competing solutions, yet stands up to the harshest environments.

RDR-4000 Weather Radar (WXR) Controller

This weather radar controller was developed with a modular architecture to provide a reusable design for various aircraft options. It provides redundant digital communications and is TSO approved.

Auxiliary Fuel Management Panel

This Auxiliary Fuel Management Panel was developed for the UH-60M Blackhawk. It utilizes Korry 389 Pushbutton switches to meet the stringent optical and switching requirements.

Integrated Up-Front Control Display (IUFCD)

The IUFCP was developed for the F-16. It integrates an LED display and provides a bi-directional EIA 422 serial link.

Integrated Switch Panels

Korry integrated switch panel technologies allow a variety of flexible solutions to meet complex requirements and cost targets for military and commercial applications. Using the appropriate switching technology, or combination, we custom design cost-efficient, high reliability integrated switch panels and bezels to your requirements. We also integrate HMI components and displays as needed for the specific application and address military capabilities such as night vision and TEMPEST. This provides a military hardened unit to achieve an unparalleled blend of performance and reliability.

Control Display Unit (CDU)

The Control Display Unit integrates a Korry 650 Display Module. The CDU contains an internal controller that scans the momentary switches for state change and communicates the status utilizing multiple interface options (i.e. ARINC-429, 1553, ARINC-825). The area-lit CDU can be configured with a minimum life of one million actuations, high actuation force, and drip-proof sealing.

UTCP4 Keypad

The keypad features Korry's proprietary overlay technology - survivable in a nuclear, biological, and chemical warfare environment. It can be decontaminated via complete submersion and washdown with the latest fielded decontamination fluids and agents.

Control Display Unit (CDU)

The CDU provides extended travel keys when compared to snap dome mechanisms. Key size is configurable and provides high performance lighting solutions with sunlight readable illuminated keys with full and split legend displays. It is also available with higher current switching (to 100mA) and two-pole, single ground switching. The keys are easy to operate with or without flight gloves.

Commanders Data Entry Terminal (CDET) Keyboard

The CDET keyboard features Korry's proprietary overlay technology to meet NBC requirements. Robust enough for use as a step during ingress and egress, it is backlit with Korry's proprietary secure lighting technology that minimizes the optical signature when the vehicle hatch is open.

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