HAND CONTROL UNIT
CUSTOMIZABLE TO YOUR NEEDS

GENERAL

THOMMEN’s Multi-Application Hand Control Unit - HCU - combines ergonomic design and functionality. Customizable with a range of options.

The joystick simultaneously drives all axes. THOMMEN’s HCU is deployable on all helicopters, land vehicles, and other applications which require a remote control:

- CAMERA SURVEILLANCE SYSTEMS (COMPATIBLE WITH *FLIR® SYSTEMS)
- SEARCHLIGHTS
- WINCHES
- ANY OTHER EXTERNAL EQUIPMENT

Further features can be integrated in a cost-effective way due to its concise construction.
The front plate can be changed on demand.

FEATURES

Ergonomic and user friendly design

DO-160F tested

The operator can dim or switch off the HCU lighting panel

Luminance level of cautions and advisories lighting in DAY mode is ≥ 700 cd/m² (sunlight readable)
Luminance level of cautions and advisories panel lighting in NIGHT mode is 3.4 ± 1.7 cd/m²

Compatible with Night Vision Googles

Easily operated by both left and right handers, while all operations can be performed by one hand

Tactile switches secure long lifetime. Glove compatible

Connector to HCU: SOURIAU 851-36RG12-10P50 (MALE)
Aircraft side mating connector: SOURIAU 851-02R12-10S50/8500 04 D

*FLIR® is a registered trademark of FLIR Systems, Inc.

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DESIGN AND DEVELOPMENT
- All components have a minimum technological obsolescence risk
- Material is not flammable and it is self-extinguishing
- Metal parts are protected against corrosion
- Weight: 515 gr (average)
- Dimensions:
  17.9 cm x 8.9 cm (widest angle) to 4.4 cm (shortest angle) x 5.2 cm
- Serial interface
- Optional: Coiled connector cable, mounting bracket

ELECTRICAL CHARACTERISTICS:
- Normal Operating conditions: 28 VDC
- Max. Voltage: 30.3 VDC
- Nominal Voltage: 28.0 VDC
- Min. Voltage: 22.0 VDC
- Max. electrical consumption: < 1A

ENVIRONMENTAL CONDITIONS:
- Temperature, Altitude, Humidity, operational Shocks and Crash Safety, Waterproofness, as well as Fluids Susceptibility Qualification: RTCA/ DO-160F
- Operating Temperature: -45°C to +70°C
- Operational Shock: 6g, 20 ms
- Crash Safety Impulse: 20g, 20 ms, 20g, 3s
- Vibration: Acc. to customer requirements
- Max. electrical consumption: < 1A

STANDARD FUNCTIONS:
- Light (camera) on and off
- Switching between normal light and IR-light
- Different positions (stow to search position)
- Light dimming
- Focus (camera)

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