

SCU32

CattronControl™



DIGITAL FIXED STATION DEVICE FOR POINT TO POINT TRANSMISSION

HIGHLIGHTS

- Transmits up to 32 digital commands plus 2 Safety Stop commands
- System configuration via a secure RFID Transkey® for simple deployment and spares implementation
- Customer-specific layout with a wide range of control elements
- Approvals and frequencies for worldwide deployment

FEATURES

- Galvanic isolation of inputs
- Internal, isolated power supply for opto-isolated inputs
- Industrial AC power supply and DC options available
- LEDs for status and feedback (optional)
- Custom faceplate available
- High safety class through redundant hardware and firmware architecture

APPLICATIONS

The Laird SCU32 is a robust, industrial grade control unit that provides 32 opto-isolated inputs for secure wireless point to point, or point to multi-point transfer of control commands.

- Overhead Cranes
- Heavy Machinery
- Ship Loaders
- Metal Fabrication
- Amusement Parks
- Lifting Equipment

COMPLIANCE

- Protection class IP 65
- Safety
 - EN 60204-32
 - EN ISO 13557
 - EN ISO 13849 PLd
- Shock EN 60068-2-27
- Vibration EN 60068-2-6

TECHNICAL DATA AND SPECIFICATIONS
ELECTRONIC DATA

Commands	32 digital inputs
Digital circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
Telegram security	Black Channel

MECHANICAL DATA

Weight	Approx. 1.8 kg
Dimensions L x W x H	235 x 170 x 105mm (9.25" x 6.7" x 4.2")
Housing	Polymeric, standard color gray IP65, suitable for outdoor use
Interface connection	2 cable glands optional: Han24/32/64
Operating temperature	-20° to +60° C (-4° to +140° F)
Storage temperature	-40 to +70° C (-40 to 158° F)

ELECTRICAL DATA

Power supply	48, 115, 230 V, 50-60Hz
Nominal voltage	12V (24V optional)
Power consumption	Max. 10 VA
Internal power supply	12 V for opto-couplers

RF

Frequency range	406-419 MHz 433-434 MHz 447-473 MHz 869 MHz 902-927 MHz Other frequencies onrequest
Transmission speed	4.8 to 20 kbit/s
Transmitter output power	10-500 mW with various modules (within permitted limits)
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Antenna	External

INDICATION

Operation indication	2 LEDs for status and diagnostics
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