

MKU™

Total Control for Industrial Applications

Equipment operators agree that the Cattron® brand Metal Keypad-U (MKU™) Operator Control Unit (OCU/controller) is perfect for heavy industrial applications. The MKU™ is the first Radio Remote Control product to combine the robust design requirements of the North American market with international safety requirements.

The MKU™ was created with both the operators and maintenance personnel in mind. It is easy to use, as most controls have been modeled after those commonly found on two-step pendant stations. The heavy-duty ruggedness of the MKU™ is suited for cranes, railroad, and any other industrial applications where the operator can be moved to a safer, more efficient location.

Durable Construction

The MKU™ gives the operators of heavy equipment the best of both worlds; a small hand-held controller with a tough, metal housing for durability. All components are protected by a thick-walled, epoxy-coated extruded aluminum case and rubberized absorbing end "bumpers."

Standard MKU™ OCUs have pre-defined configurations and are fitted with a TransKey™ for added safety. Any MKU™ OCU will run any decoder or Machine Control Unit (MCU) as long as the correct TransKey™ is used, thus minimizing the need for specific spare OCUs.

In addition, all function identifiers can be customized to the operator's liking. Total water and dust sealing makes these ideal for indoor/outdoor applications thus giving the operator a reliable and extremely durable controller. This allows minimal worry or downtime so you can maximize productivity.



Features

- Rugged design for use in harsh environments
- Rubberized end caps to absorb heavy shocks
- System configuration via removable contact-less RFID key (TransKey™)
- System status and low-battery LED indicator with audible beep
- Dual-step push buttons with excellent tactile feel
- Power-on self-diagnostics
- Long battery life
- Hoist select capability
- Designed for ease of service
- Compliant with the latest safety regulations



FEATURES & SPECIFICATIONS

OPERATOR CONTROL UNITS (OCU)

Commands:	Twelve dual-step push buttons
On/Off/Stop:	Standard with On/Off and Stop switches on end caps
Display:	Five bi-color LEDs for system status, low-battery warning and parameters selection
Buzzer:	For power-up self-test indication, keypad audible feedback and low-battery indication
System Configuration:	Saved in removable contact-less RFID key (TransKey™); defines system address, RF channel, key mapping and operation parameters
Operating Frequency:	Unlicensed 903-927 MHz band for North and South America; other frequency bands are available for Europe and Asia
RF Power:	0 dBm (1 mW) nominal, dependent on frequency and region
RF Channels:	Up to 65 channels in the 903-927 MHz band, pre-defined in TransKey™ manually selectable by the operator
RF Operating Range:	In excess of 300 ft (92 m) line of sight
Antenna:	Internal
Battery Type:	Alkaline battery pack, 3 volt, 2,500 mAh, non-rechargeable (standard) or NiCd battery pack, 2.4 volt, 1,100 mAh, re-chargeable (optional), or 2 x 'AAA' batteries with optional battery adapter
Battery Duration:	In excess of 90 hours with Alkaline battery pack, 3 volt, 2,500 mAh
Case Material:	Extreme duty, dust and water resistant, aluminum housing
Switch Types:	Sealed silicon elastomer keypad, dust, water, oil, acid resistant with 'tactile feel', clear epoxy-coated push buttons
Weight:	1.4 lbs/634 g (Including battery pack)
Dimensions:	8.0" x 3.0" x 2.0" (203 x 76 x 51 mm)
Environmental:	-4° F to +140° F (-20° C to +60° C), RH 0 to 95% non-condensing
Safety/Approvals:	Worldwide standards compliant [EN-13849] Performance level 3 [EN-954-1] Category 3 Worldwide RF approvals
Carrying Accessory:	Shoulder strap

MACHINE CONTROL UNITS (MCU)

Relays Rating:	250 VAC, 5 A
Power Input:	40-265 VAC
Antenna:	External/internal optional
Emergency Stop Relay:	Redundant; monitored
RF Channel Selection:	TransKey & user selectable
Enclosure:	NEMA 4X (IP65)



*Specifications are subject to change or revision without notice. Consult the factory for verification.



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