



## CAN Remote Control System CATTRON CONTROL™

for

# SURFACE DRILLS



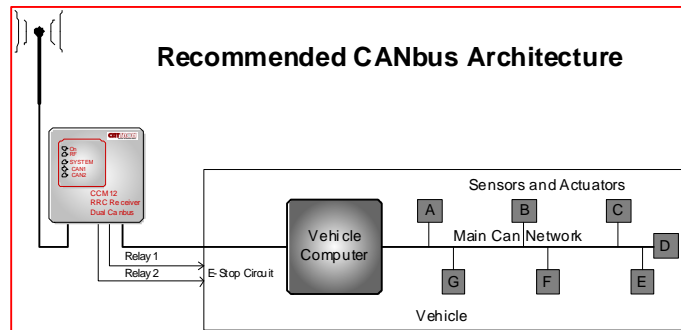
The CAN Remote Control System (CAN RCS) for Surface Drill sets new standards for the industry. This CAN RCS greatly simplifies the installation of a remote control on any CAN Surface Drill. When connected to the CAN network of the Surface Drill's main computer, the CCM12 Receiver acts as a wireless gateway between the vehicle and the Operator Control Unit (OCU). All functions executed on the OCU are transferred on the CAN Network and the Surface Drill vital signs are sent back to the OCU.

- High safety class through redundant hardware and software structure
- Approvals and frequencies for worldwide deployment
- Application specific layout
- Housing made of high-impact-resistant polycarbonate resin
- A variety of Operator Control Units can be used

# CAN Remote Control System

CATTRON CONTROL™

- Dual CANbus interfaces that meet ISO 11898-2 standard
- Dual safety relays outputs
- Both CAN interfaces are electrically isolated
- Dual Processor Redundant Architecture for Safety
- Unique ID key for the utmost safety of personnel and property



## TECHNICAL DATA AND SPECIFICATION

RF	
Frequency ranges:	335 MHz 418-419 MHz 433-434 MHz 447 MHz 470 MHz 868-869 MHz 903-927 MHz
Transmission Speed:	4.8 – 20 Kbit/s
Transmitter output power:	<10 mW
Receiver sensitivity:	-107 dBm

Electronics	
Digital circuitry:	Dual-processor technology
System addresses:	24 Bit = 16 millions addresses
Security relays type:	EN 50205, type A
Safety Relay Switching current:	4 A, fused
Shock resistance 16msec:	17 g

Mechanical Data	
Dimensions:	122 x 144 x 48 mm (L X W X H)
Operating temperature:	-20°to + 60 °C

Power Supply Characteristics	
Input Voltage	6-36 VDC
Input Current	Less than 175 mA at 24 VDC
Protection	Reverse polarity Load dumps Electrical transients

Norms and Standards	
IP Protection class:	IP 66
Safety standards:	EN 954-1 category 3 for all safety related functions EN 13849-1 Performance Level d

CAN Interface Characteristics	
CAN format:	CAN 2.0A and CAN 2.0B
Bus Speed:	10, 20, 50, 125, 250, 500, 1000 kbps
Standard:	ISO 11898-2
Protection:	Exceeds ISO 11898-2 Bus fault protection (-27 to +40 V) Transient voltage (-200 to +200 V)

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