CAN Remote Control System

CATTRON CONTROL™

The CAN Remote Control System (CAN RCS) sets new standards for the industry. This CAN RCS greatly simplifies the installation of a remote control on any CAN-based vehicle. When connected to a CAN network of the vehicle's main computer or PLC, 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 vehicle 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 by used:

Excalibur

LRC/M1

LRC/C01

LRC/P06C

LRC/MKU

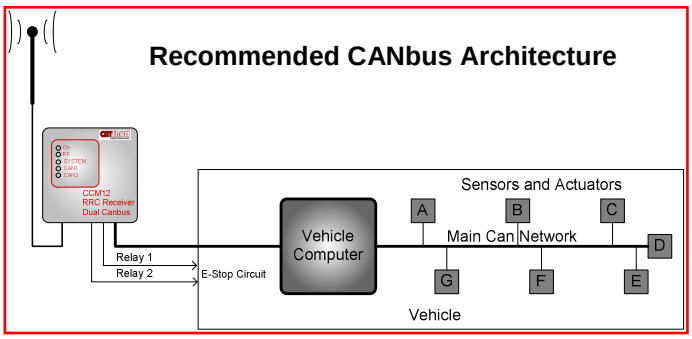
CATTRON GROUP INTERNATIONAL™

Industrial Remote Controls and Underground Communication Systems

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 ℃

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)

USA – Head Office
Cattron Group International
58 West Shenango St.
Sharpsville, PA 16150
Telephone: (724) 962-3571
Fax: (724) 962-4310
General Email: mail@cattrongroup.com

USA
Cattron Group International
1916 West Mission Rd.
Escondido, CA 92029
Telephone: (760) 737-7800
Fax: (760) 737-7810
General Email: mail@cattrongroup.com

CANADA
Cattron Group International Canada Ltd.
150 Armstrong Avenue, Units 5-6
Georgetown, Ontario, Canada L7G 5G8
Telephone: (905) 873-9440
Fax: (905) 873-9449
General Email: salescdn@cattrongroup.com

CANADA
Cattron Group International Canada Ltd.
3950 Hickmore
Saint-Laurent, Quebec, Canada H4T 1K2
Telephone: (514) 908-1659
Fax: (514) 908-1673
General Email: mail@cattrongroup.com

SOUTH-AMERICA
Cattron Group International Americas Ltda.
Rua Antonio Rodrigues de Carvalho, Nº 435
Campinas - SP, Brazil, CEP 13033-220
Telephone (55) 19-3243-7803
FAX: (55) 19-3243-9258
General Email: vendas@cattron.com.br

EUROPE
Cattron-Theimeg Europe GmbH & Co.KG
Krefelder Straße 423-425
41066 Mönchengladbach , Germany
Telephone: +49 (0)2161 - 6363 0
Fax: +49 (0)2161 - 6363 100
General Email: info@theimeg.de

GREAT BRITAIN
Cattron-Theimeg UK Ltd.
Riverdene Industrial Estate, Molesey Rd.
GB Hersham, Surrey KT12 4RY
Telephone: +44-1932-247 511
Fax: +44-1932 220 937
General Email: sales@cattronuk.com

AFRICA
Cattron-Theimeg Africa (Pty.) Ltd.
25 O'Reilly Merry Road,
ZA 1518 Rynfield, Benoni, Gauteng
Telephone: +27-011-425-1123
Fax: +27-011- 849-5717
cattron@cattronsa.com

ASIA-PACIFIC
Cattron Group International Asia-Pacific
399 West Nanging Road, Suite A403
Shanghai, China 200003
Telephone: (86) 21-2308-1128
Fax: (86) 21-2308-1168
General Email: saleschina@cattron.com