

MP96QC

CATTRON™ FOR RAIL



COST-EFFECTIVE SOLUTION FOR CONTROLLING MORE THAN ONE LOCOMOTIVE AT YOUR FACILITY

HIGHLIGHTS

- Simple installation by attaching portable enclosures and plug-in connections for MU sockets
- Visible status text display on machine control unit
- System performs in-depth self-test on power up and constantly monitors key parameters during operation
- Proportional independent and train brake functions

FEATURES

- Engine alarm monitoring using single alarm input from MU connector
- Electrically controlled throttle and reverser control via MU connector
- Independent brake bail
- Numeric display of independent and train brake via digital talkback on OCU
- Numeric display of throttle notch via digital talkback on OCU
- Sanding function and wheel slip sensing via MU connector
- Verification of output commands through external monitoring
- Simultaneous independent data signal processing of all incoming commands by two microprocessors
- OCU tilt (man down) sensing returns locomotive throttle to idle, disconnects the generator field, and applies emergency brakes

APPLICATIONS

The MP96QC is an interchangeable portable control system designed to interface with locomotives equipped with American Association of Railroads (AAR) standard Multiple Unit (MU) connections making it a cost-effective solution for controlling more than one locomotive at your facility.

The QC system delivers the reliability and safety demanded for operating locomotives in harsh railroad environments

OPTIONS

- Synchronized time sharing enables up to ten systems to operate on one radio frequency.
- This feature is required and only supported with the AO2 or AO3 OCUs.
- Digital talkback communication between the OCU and MCU through text display and function LED's on the OCU.
- Pitch and Catch option allows two operators to control one RCL system.
- The MP96QC has an integrated ability to store an internal archive record, configure system operating parameters and support live monitoring of system IO. This is all capable through the maintenance terminal link – either through a direct connect serial connection, or through a 4G Wireless Modem connection. Options include required hardware and PC applications.

SYSTEM

A typical QC system includes a portable watertight ergonomic radio remote Operator Control Unit (OCU), a portable locomotive mounted watertight enclosure containing the Locomotive Control Unit (LCU), and a portable locomotive mounted watertight enclosure containing the Pneumatic Control Unit (PCU).





TECHNICAL DATA AND SPECIFICATIONS

FEATURE	SPECIFICATION
Enclosure	NEMA 4 enclosure; dust, oil & watertight
Environmental	Approx. -4 to +140 °F (-20 to +60 °C), RH 0 to 95%, non-condensing
Control Voltage Range	32 VDC or 64 VDC fused @ 5 amps
Power Requirements	32 VDC or 64 VDC @ less than 5 amps
Receiver Frequency	UHF: 450 – 470 MHz VHF: 217 – 222 MHz for select OCU models
Internal Archive Record Size	32 MB

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MP96QC_EN_201902



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