

LCS-III

LCS-III LOCOMOTIVE REMOTE CONTROL



HIGHLIGHTS

- Latest generation locomotive remote control system built upon Accuspeed™ and Beltpack™ systems
- Supports future possibilities of remote control and automation in the railyard
- Multimodal Feedback with talker feature and two-way RF communication
- Consistently maintain the speed selected by the operator
- Uses the [OCU-III](#) operator control unit offering state-of-the-art features
- Designed for rail operations in the Americas

FEATURES

- Dynamic speed control
- Compliant to 49 CFR § 229.15
- Compatible with CCB-26 electronic brake system
- RF protocols support operation in 450-470 MHz
- Reduced footprint as system size minimizes space requirements inside the cab
- Maintenance PC Terminal Tool provides monitoring, configuration, archive record access and maintenance information directly between a PC and the locomotive control system
- Feedback and status are sent to operators through a mix of visual feedback on the OCU and audio feedback through the cab radio
- Simplified Pitch & Catch operations
- Movement command for speed and direction feedback available to assigned OCUs
- Operators have a visual indication of the LCS-III system
- GPS Push feature update rate is improved

OPTIONS

- Train Brake Cycle Braking Protection prevents operator misuse of the train brake
- Remote Operating Parameter Programming Station installs in the cab for user interface
- Remote 4G connectivity permits the user to connect the RCL equipment remotely through an internet connection
- Electric Handbrake Interface allows operators to set/release the electronic handbrake from the OCU
- Pullback and Stopping Protection (PSP)
- Hump Control for excitation control and optional variable speed humping interface
- Snow Brake applies a small amount of constant brake cylinder pressure to prevent snow and ice buildup on the brake shoes
- Pair an [OCU-III Trainer](#) with a trainee OCU-III to elevate safety and oversight for new operators
- [RemotelQ™ Rail](#) analytics tool





TECHNICAL DATA

SPECIFICATIONS	
Frequency Range and Type Approvals	UHF: 447 – 473 MHz (FCC part 90, ISED RSS119)
RF Range	UHF: 1 mile line of sight
Emissions Designation	UHF (450): 7K60F1D
Temperature	-40° to 158°F (-40° to 70°C)
Dimensions (H x W x D)	36 x 24 x 12 in (91.5 x 61 x 30.5 cm)
Locomotive Voltage	74 VDC nominal
Digital Output	Rated for 100 VDC @10A
Internal Archive Record	64 MB FIFO