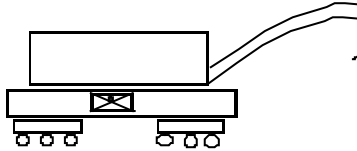


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Instructions and Tips for Operating Your Roco-Lenz Digital Mobile Crane



Introduction:

These instructions are provided by Miniature Locomotive Backshop to supplement the manufacturer's instructions provided with your Roco-Lenz DCC Mobile Crane.

*** Important Safety Note ***

The small slide switch marked X on the diagram above MUST be disengaged (in the down position) when moving the Roco-Lenz Digital Crane either by rail or with your fingers. Failure to do so can lead to serious damage to a small gear in the crane. The switch is located on only one side of the crane's lower platform.

Reprogramming

Before you can operate the Roco DCC Crane on NCE system you must put it on the programming track and reset CV29 to a value of 2. This will enable the crane to operate in 28 speed set mode. (2 of the 3 versions of the Roco DCC crane are factory preset to 14-speed step mode, which NCE no longer supports) When reprogramming your Roco-Lenz Digital Crane, there will be no active feedback to your programmer. The factory has set the Short Address (CV1) of "#3 or #5 or #8". You may change the Short Address (CV1) to only numbers from 2 to 99.

Remember on an NCE system when selecting a loco; never push a 0 before the number you want, that is to say: never push 03 when you want 3.

The Roco Digital Crane does not support the 128 Speed Step Mode. The Roco Crane does not support long address mode. Roco Crane does not support POM (Program on Main)

Quick-Start Operation

Place crane on DCC operating tracks.

Push small slide switch (located at the X in the above diagram) up until locked. You will hear a click when it locks.

Select "Loco #8" or "Loco #5" or "Loco #3" or whatever you have reprogram the short address to (2 to 99) from your cab/throttle.

Set cab to "28 Speed Step" mode.

Turn on "Headlight Function" (F,0). This rotates the crane using the cab's speed control (thumbwheel or speed buttons) and direction switches. Turn off "Headlight Function" (F,0) when rotation is complete.

Turn on "Function #1" (F,1). This raises and lowers the crane using the cab speed control and direction switches. Turn off "Function #1" (F,1) when crane height is satisfactory.

Turn on both "Headlight" and "#1 Functions" (F,0) and (F,1). This raises and lowers the hook using cab speed control and direction switches. Turn off Functions when done.

Prototypical Operation

When performing any lifting operations, install the accessory leveling support jacks and adjust the screws to the terrain.

All lifting should be done directly below the crane boom. If the item to be lifted is not directly below the boom then it should be dragged into position by lowering the boom and using the hook as a winch.

All lifting and dragging should be done end for end in a walking fashion. This allows the crane to move objects too heavy to be moved as a whole, by lifting only a portion of the total weight at a time.

Control Tips

I have found that I personally favor setting the cab speed control to push-button speed control for crane operation.

I personally have found that I favor setting the speed control to a constant slow speed, and then operating the crane by toggling the function and direction buttons.

Kadee Couplers

#17 Kadee couplers are an easy snap in installation.

Accessories

The manufacturer offers operational lights, a magnetic pick-up, and a clamshell bucket