

Operating No. 165 Crane

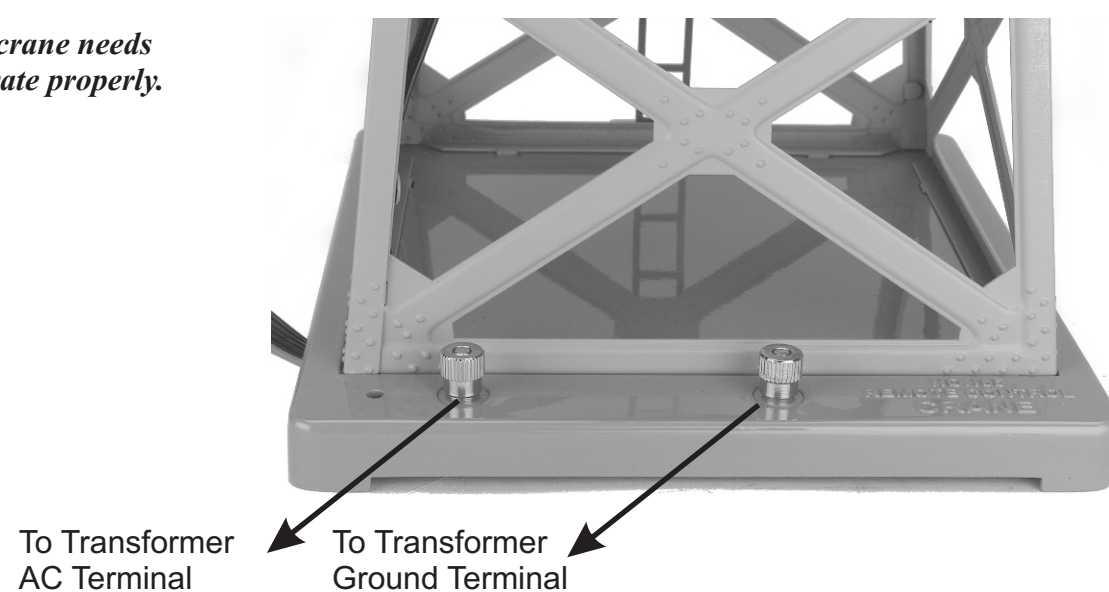
Item No. 11-90026

The No. 165 Magnetic Crane lets you raise and lower the cable or the boom, turn the crane cab, and energize and de-energize the magnet, to add activity to your own busy railyard. Operation is easy when you follow these instructions.

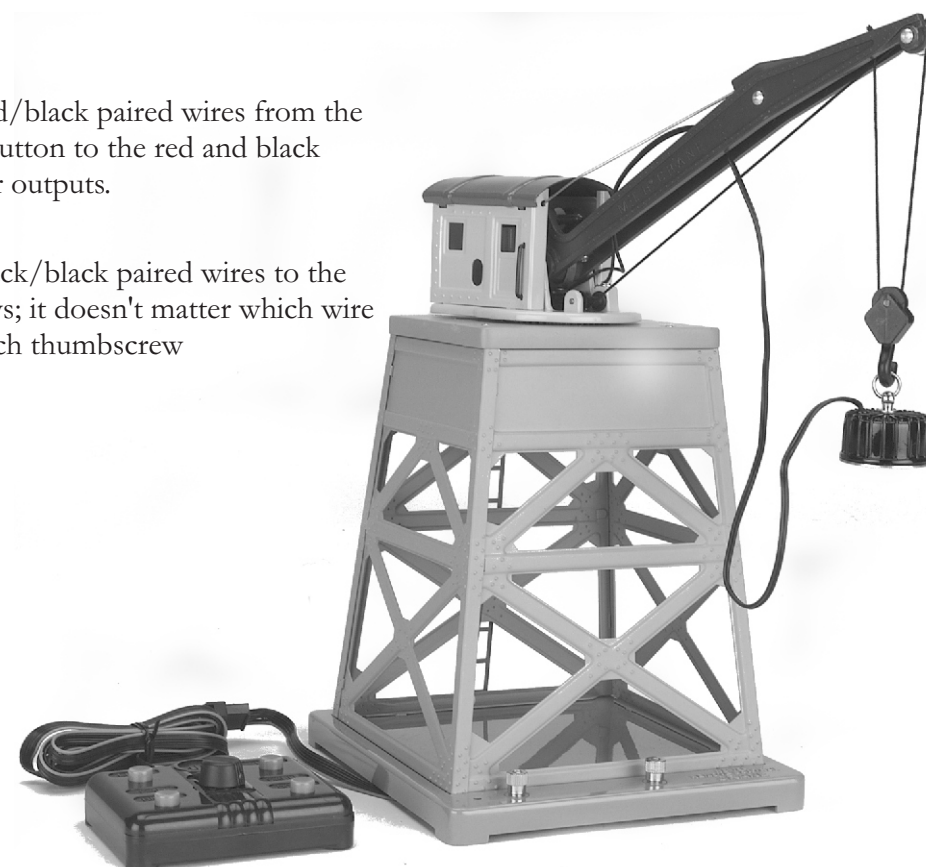
Wiring the 165 Crane:

Connect wires from binding posts to transformer.

Note: The crane needs 14v to operate properly.

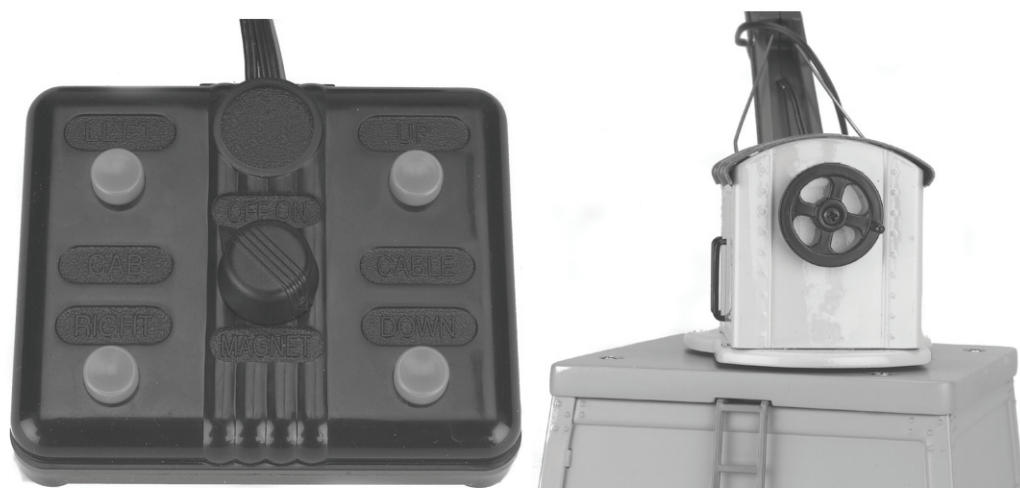


- Connect red/black paired wires from the activation button to the red and black transformer outputs.
- Connect black/black paired wires to the thumbscrews; it doesn't matter which wire goes to which thumbscrew



Operation:

- Press and hold buttons indicated to rotate cab left or right or to raise and lower cable.
- Turn knob in middle to turn magnet on or off.
- Light in cab indicates magnet is energized.
- Turn hand-wheel at rear of crane cab to raise and lower boom.



Caution: Only the "Right" and "Down" buttons or the "Left" and "Up" buttons may be pressed simultaneously. Pressing any other two buttons at the same time will stall motor.

Maintenance:

- Periodically lubricate all moving parts with light household oil
- To replace light in cab (M.T.H. Part No. CI-0000011), squeeze cab roof and pop off. Twist bulb, then pull it out.
- Contact M.T.H. Parts via the online parts ordering system (Order online: www.mth-railking.com, e-mail: parts@mth-railking.com, Fax: 410-423-0009, Phone: 410-381-2580, Mail: 7020 Columbia Gateway Drive, Columbia MD 21046-1532,).

CAUTION: Electrically Operated Product:

Recommended for Ages 14 and up. Not recommended for children under 14 years of age without adult supervision. As with all electric products, precautions should be observed during handling and use to prevent electric shock.

WARNING: When using electrical products, basic safety precautions should be observed, including the following:

Read this manual thoroughly before using this device.

- M.T.H. recommends that all users and persons supervising use examine the hobby transformer and other electronic equipment periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary cord, plug blades, housing, output jacks or other parts. In the event such conditions exist, the train set should not be used until properly repaired.
- Do not operate your layout unattended. Obstructed accessories or stalled trains may overheat, resulting in damage to your layout.
- This train set is intended for indoor use. Do not use if water is present. Serious injury or fatality may result.
- Do not operate the hobby transformer with damaged cord, plug, switches, buttons or case.

To obtain Warranty Service, please visit our website www.lionelcorporation.com