

Power Break for Geezer Gate

This file will show how to create a cable to hook up between the modules to cut off the power to the track leading to the bridge on both sides of the bridge.

When the bridge is lifted the Relay will be activated and causing the power to be turned off to the blocked modules and the bridge tracks.

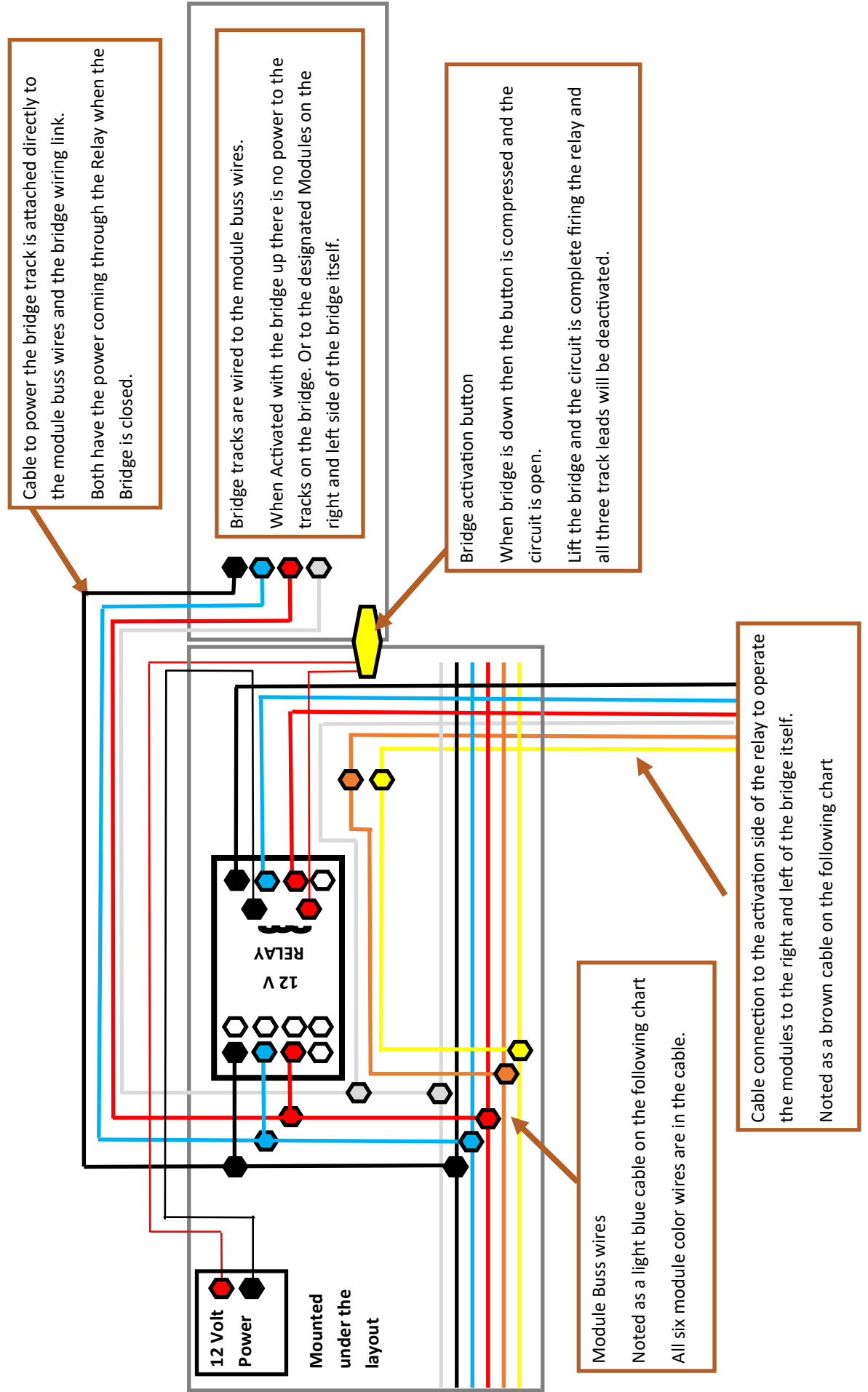
Page two shows the wiring under the actual hinged Bridge Module

Page 3 shows a schematic drawing of the complete cable system

Page 4 shows a drawing of the simplified activation wires for the relay to work when the bridge is lifted.

This can be reconfigured to work on a home layout also.

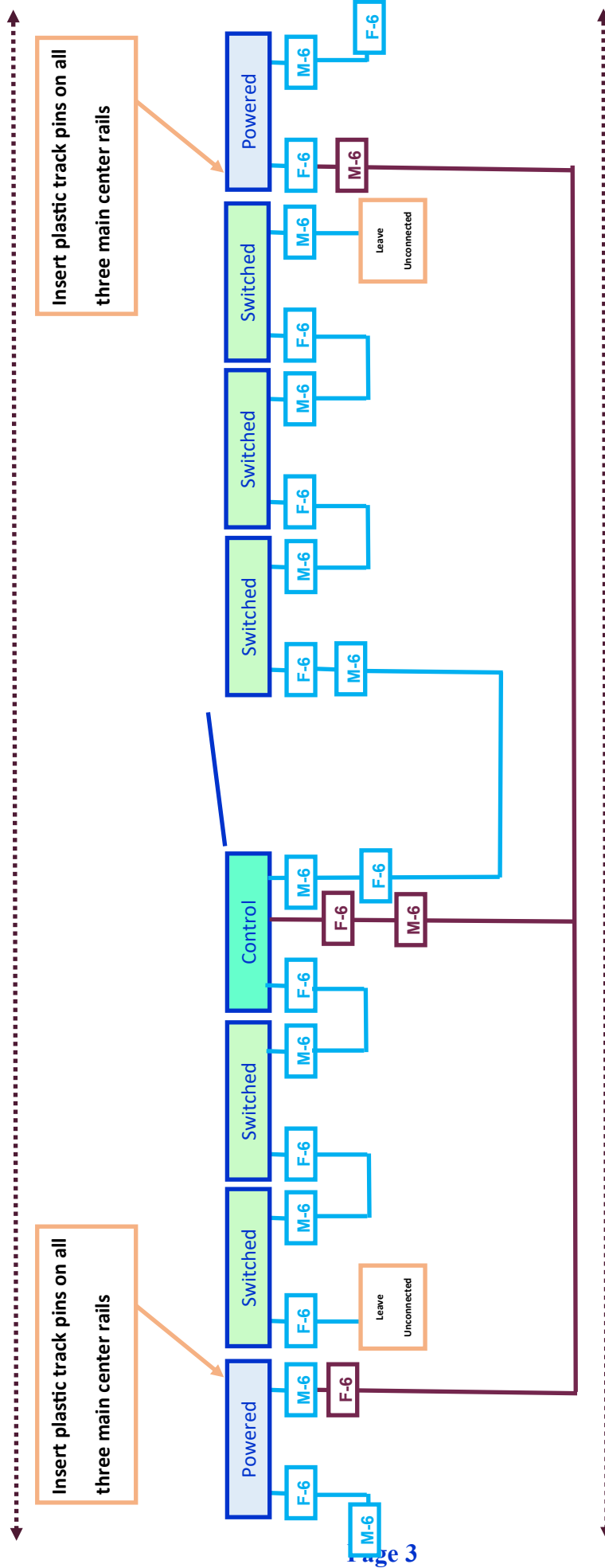
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6 Standard QCHR 6 pin power Molex Connections as used for all modules in the layout.

6 Standard QCHR 6 pin power Molex Connection power switching cable with continues hot power. To continue the loop across all of the switched module and feeding the power to the control module

4 Standard QCHR 6 pin power Molex Connection to power the bridge tracks connected to switched side of the relay



These modules are powered from the normal connecting loop from the transformer cart

These modules are powered through the control module through the relay.

The hinged bridge module has the relay with the second drop for attaching the switching cable. The brown three drop cable is attached at the far ends of the modules to be switched and to the new attached cable to the relay and buss. Only the three main track wires are running through the relay and the ground, 14 V AC and the Yellow 4th track are not switched.

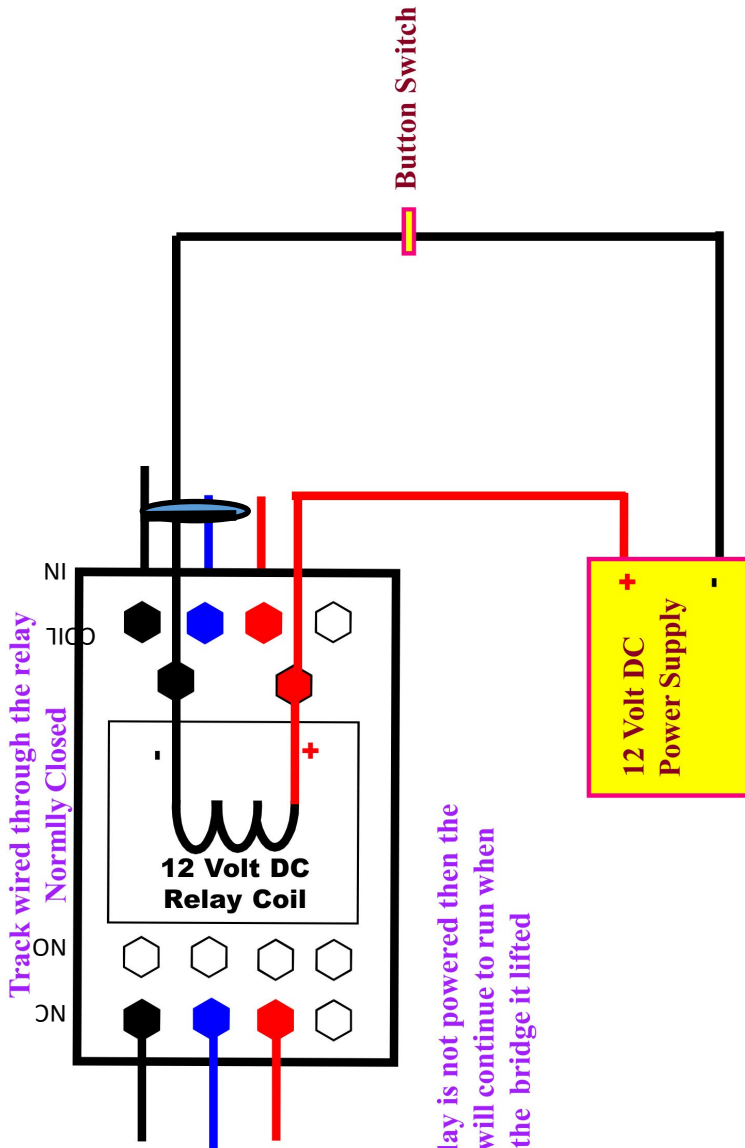
Powered

Switched

Control

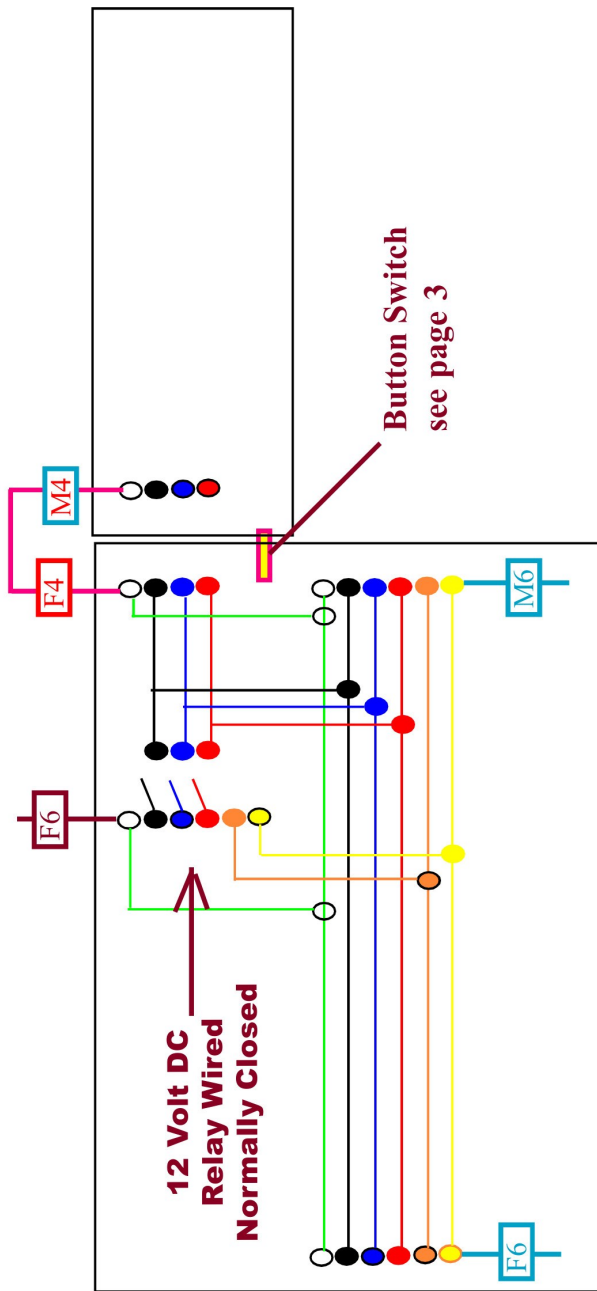
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Button Switch wired normally Closed When Depressed by the Bridge the button is then Open. When the bridge is lifted the button then activates the relay turning off the power to the 3 tracks.



If the relay is not powered then the trains will continue to run when the bridge is lifted

hard wiring under the hinged module



12 Volt DC Relay See Page 3

