

Using IntuiSwitch-H™ (hybrid) Controls with the NCE Switch8-Mk2

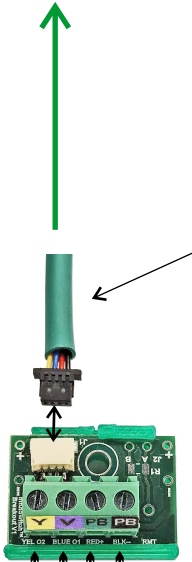
IntuiSwitch-H™ (hybrid) control
(available in Trapezoidal and DIY styles)



When interfacing with the NCE Switch-8 Mk 2 and Button Board, always use the -H (Hybrid) version of the IntuiSwitch™ controls.

The hybrid version provides the raw pushbutton needed by the decoder, and accepts status as an external signal to drive the status display, whereas the standard version outputs power to drive a stall motor switch machine.

This diagram shows wiring for one IntuiSwitch-H controlling a stall motor switch machine attached to channel one of the Switch8-Mk2. To control switch machines on the other channels, wire the corresponding IntuiSwitch-H controls to the Ground, N,A,B terminals of those channels on the Switch8-Mk2 and Button Board. Note that all eight channels share the same ground, brought out to the four terminals at the top of the Button Board.



IntuiSwitch-H cable.
The green sleeve on the cable identifies this as an IntuiSwitch-H, not a standard IntuiSwitch.

Orient with yellow and black wires of cable as shown, and hold the end of the cable parallel to the breakout board while inserting it into the receptacle.

Breakout Board
(supplied with IntuiSwitch-H)

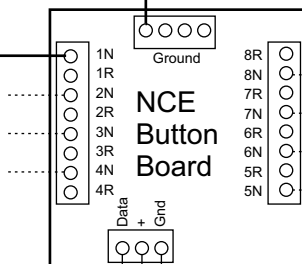
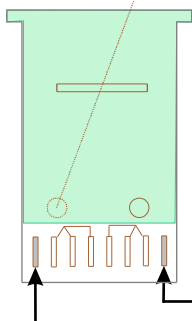
Status LEDs
Push Button

Hook IntuiSwitch-H button terminal between the N input of button board and Ground terminal of button board.

Hook the IntuiSwitch-H's indicator lines (Yellow and Blue/Violet terminals) in series with the stall motor(s).

If the indicated turnout position on the IntuiSwitch is reversed, simply swap the connections to the Yellow and Blue/Violet terminals.

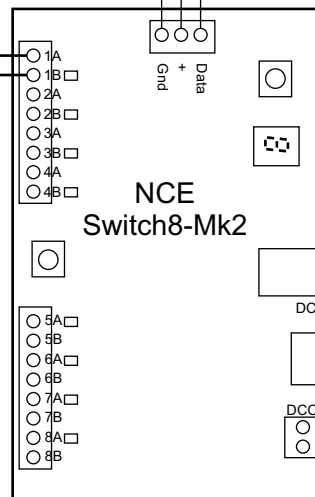
Tortoise™
or similar low-current (< 20 ma) stall motor switch machine



Configure the NCE Switch-8 Mk2 as follows:

Set Cv548 to 1
(Single momentary pushbutton toggles turnout)

Set Cv556 to 0
(Turns pushbutton lockout off.)



Visit www.ncedcc.com for more info about the Switch-8 Mk 2. and Button Board

See NCE's documentation for wiring to the external DC and DCC connections.