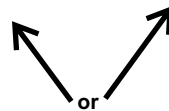# Controlling a Circuitron SMAIL™ with a -H (Hybrid) IntuiSwitch™

-H (hybrid) IntuiSwitch™ control
(available in Trapezoidal or DIY style)
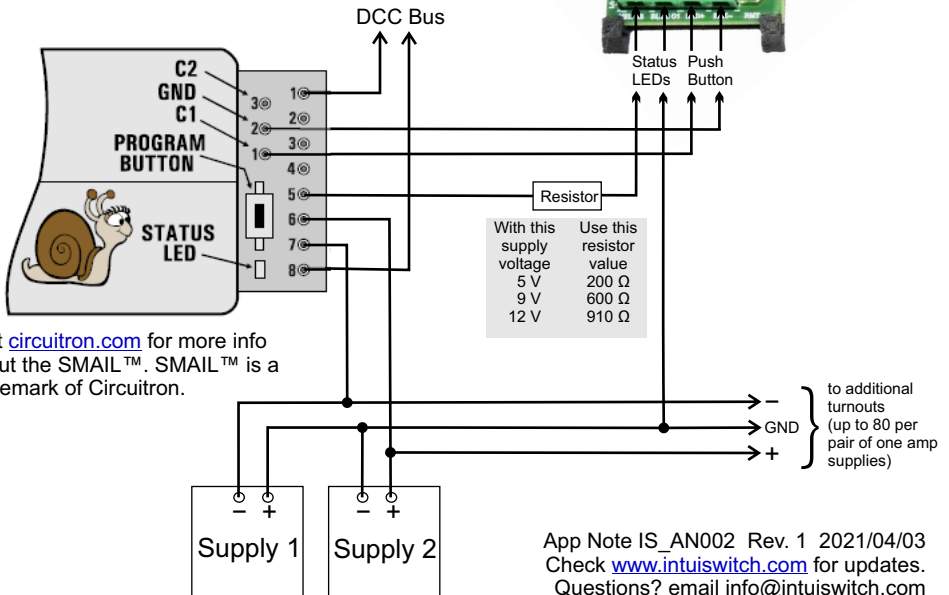


**Note:**
When interfacing with DCC decoders
(like that built in to the SMAIL™), always
use the -H (Hybrid) version of the
IntuiSwitch™ controls.

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

**or**

Cable from
IntuiSwitch™
control

**Configure the SMAIL™ as follows:**
Cv586 to 1 (Ignore DC polarity on
            terminals 1 & 8)
Cv548 to 1 (pushbutton between
            C1 and GND toggles
            turnout position)

DCC Bus

Status  Push
LEDs    Button

C2
GND
C1
PROGRAM
BUTTON

STATUS
LED

Resistor

| With this supply voltage | Use this resistor value |
|---|---|
| 5 V | 200 Ω |
| 9 V | 600 Ω |
| 12 V | 910 Ω |

Visit circuitron.com for more info
about the SMAIL™. SMAIL™ is a
trademark of Circuitron.

–

GND

+

to additional
turnouts
(up to 80 per
pair of one amp
supplies)

Supply 1     Supply 2