

## **DON'T TREAD ON ME**

Designed for LEGO® MINDSTORMS® 31313 and EV3 Programming App



## DON'T TREAD ON ME

STEP 1: Start with a Switch that makes a decision based on the infrared sensor in "Compare Proximity" mode (>50).

STEP 2: Inside the Switch, use Medium Motor (A) and Large Motor (B and D) in "Motor On" mode to control the snake. In True, you want the robot to close its mouth, move forward and turn. In False, you want the robot to open its mouth, then back off and turn. Note: Negative power = backwards)

STEP 3: Place all of the above in the Loop Block

**STEP 4:** Download your program to R3PTAR.

On R3PTAR, the infrared sensor is in the front of the robot. The body of the snake is on Motor B and will move the robot forward or backward. Motor A lets the snake turn. You open and close the mouth using Motor D.



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