24V

 OUT1

24 or GND (Hall senro output)

 OUT2

GND

OUT1 and OUT2 are inverted

* OUT1 = 24V, OUT2 = GND
* OUT1=GND, OUT2=24V

Very fast transition between the two

If you don’t have an IC for 2 output then inverter should be fine

* I will use the Hall output as OUT1
* The IC provides inverted output (OUT2)

The drive capability should be in the range of 1-10mA (Max)

**More details**

running on a 24V rail

output of the Hall sensor is VCC or GND

Propose a circuit or an IC that can generate an inverted output

The current driving capability of the output pin is 5-10mA