

## How to use I/O on Neets Control systems as output

### Regarding products:



302-0001, 307-0001, 307-0002, 310-0001, 310-0002, 310-0010: Control systems

### How to use the I/O as output:

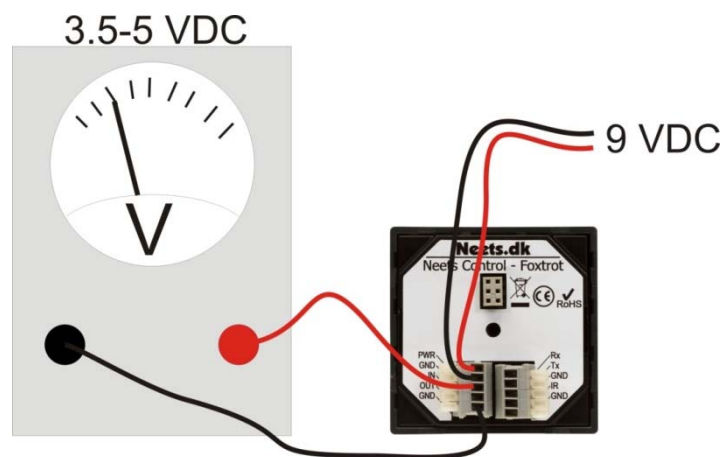
Neets is using “open drain” output on the control systems. That means that it is NOT dry contacts that the control system is providing to control of external relays...

When the I/O pin is released in the software you will measure (by using a DC voltmeter connected to GND and the I/O) the following values:

P/N#: 302-0001: ~5 VDC

P/N#: 307-0001, 307-0002, 310-0001, 310-0002, 310-0010: ~3.5 VDC

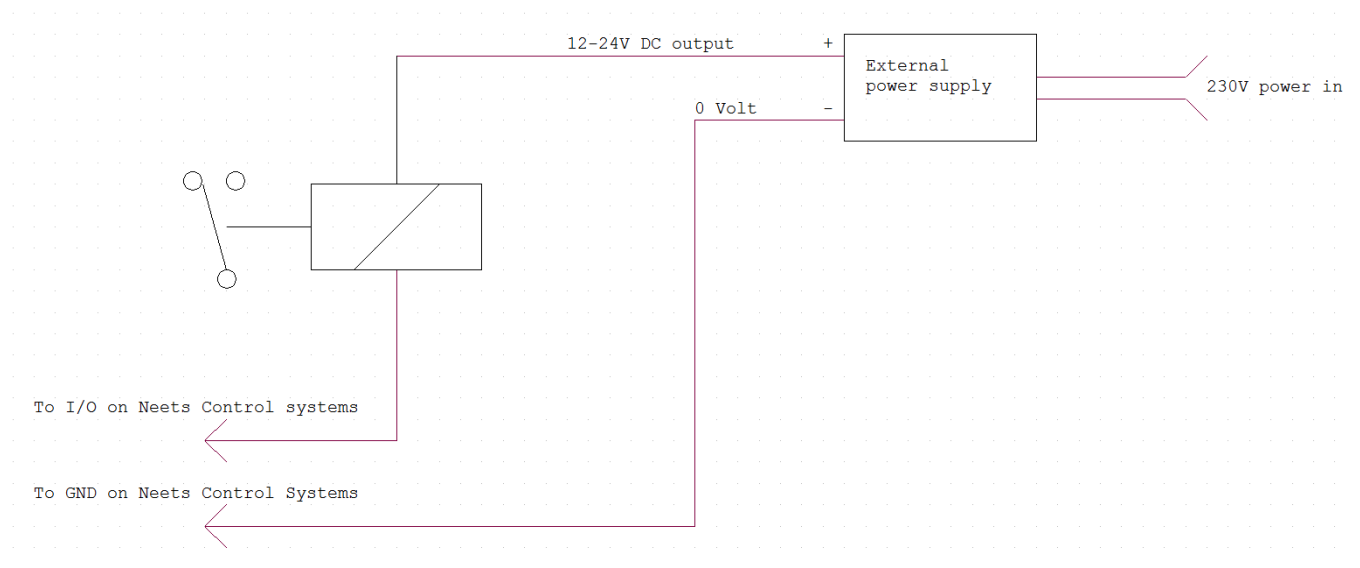
When the software activate the I/O pin will measure: ~0 VDC



How to measure the output pin...

**How to connect a relay to Neets Control systems.**

You will need an external power supply that can give between 12 VDC and 24 VDC (Depending on relay type). 0 volt (GND) on the power supply you connect to GND on the Neets Control System. The positive wire you connect to one side of the relay. The other side of the relay you connect to the I/O pin on the Neets Control System (As shown here below)..



Happy working with Neets Control Systems and external relays

Best Regards

Neets