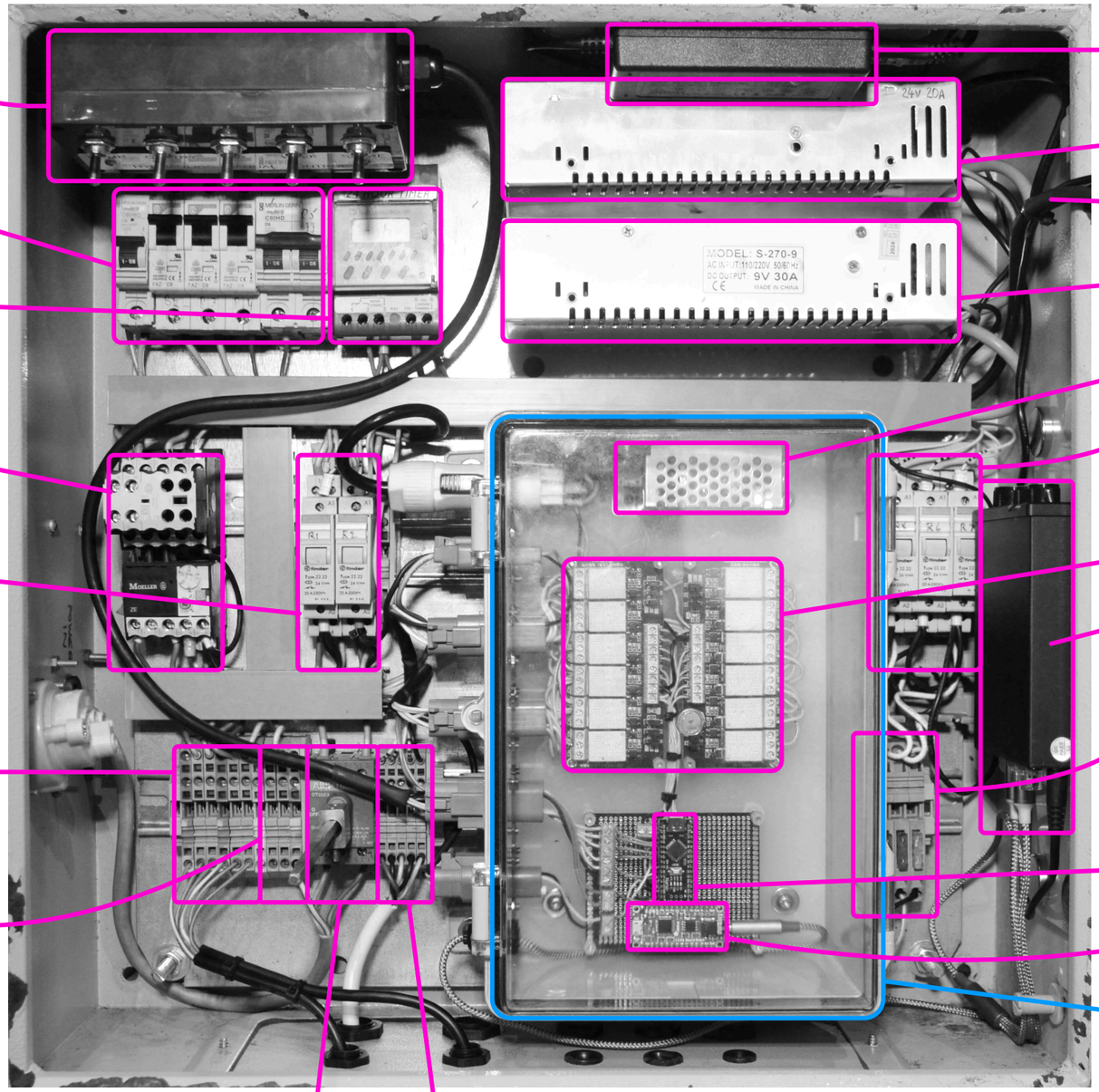
CONTROL BOX COMPONENTS



Umbilical control box for manual operation of hydraulics
Turn on pump to enter manual control mode.
Turn on "spare" to activate fluid to manifold.
You can now lift the gantry etc.
Magnetic - pull to remove box.

Breaker switches

24 hour timer (slide switch to manual and then press on/off to manually activate sheep sequence or manual control mode)

Motor contactor and overload relay

Relays 1 & 2 (flood lights)

230V connections for flood lights
(if an extra relay is ever needed in future, the two flood lights can be powered from one set of connectors)

230V connections for hydraulic pump

Main 230V power switch

24V hydraulic valve connections

19V power supply for amplifier

24V power supply (always on)

Cables leading to anemometer
(fixed to door with magnets)

9V power supply (always on)

5V power supply (activated with timer)

Relays 3, 4, 5 & 6 (9V sheep and wolf motors)

Relay boards

Audio amplifier

Fuses for 9V sheep and wolf motors

Arduino nano board
(the code for sequencing everything lives here)

Adafruit audio board
(connect USB to change audio file)

Interchangeable Arduino control box
(3 bolts, 7 plugs)

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SHEEP_DOCUMENTATION

Project:	**WOLF IN SHEEP'S CLOTHING**
Drawing title:	**Control box components**
Date:	**12th February 2026**
Revision:	**0**
Drawn by:	**nervoussquirrel.com**
Sheet:	**1 of 1**