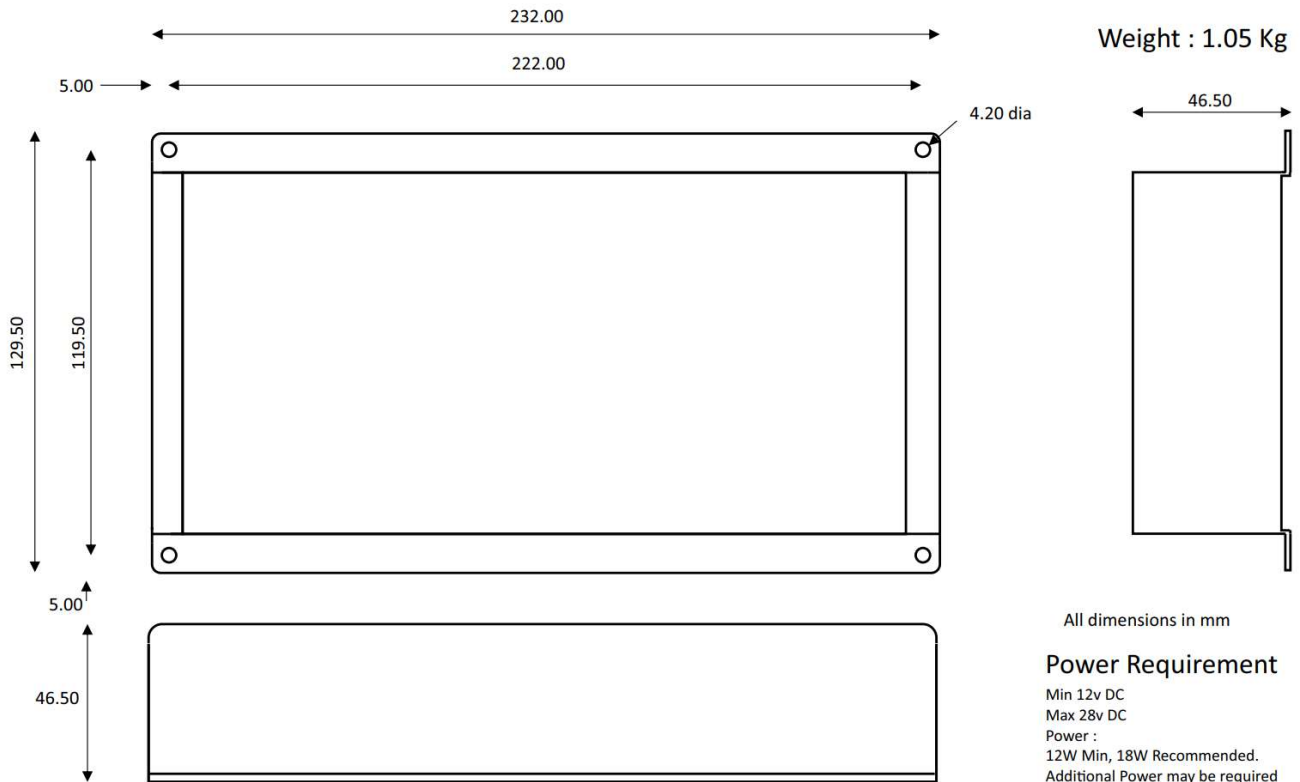


# XTX Zero16 Wiring Guidelines

2021 Edition



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**Video Tutorial**

Scan me!



# Overview

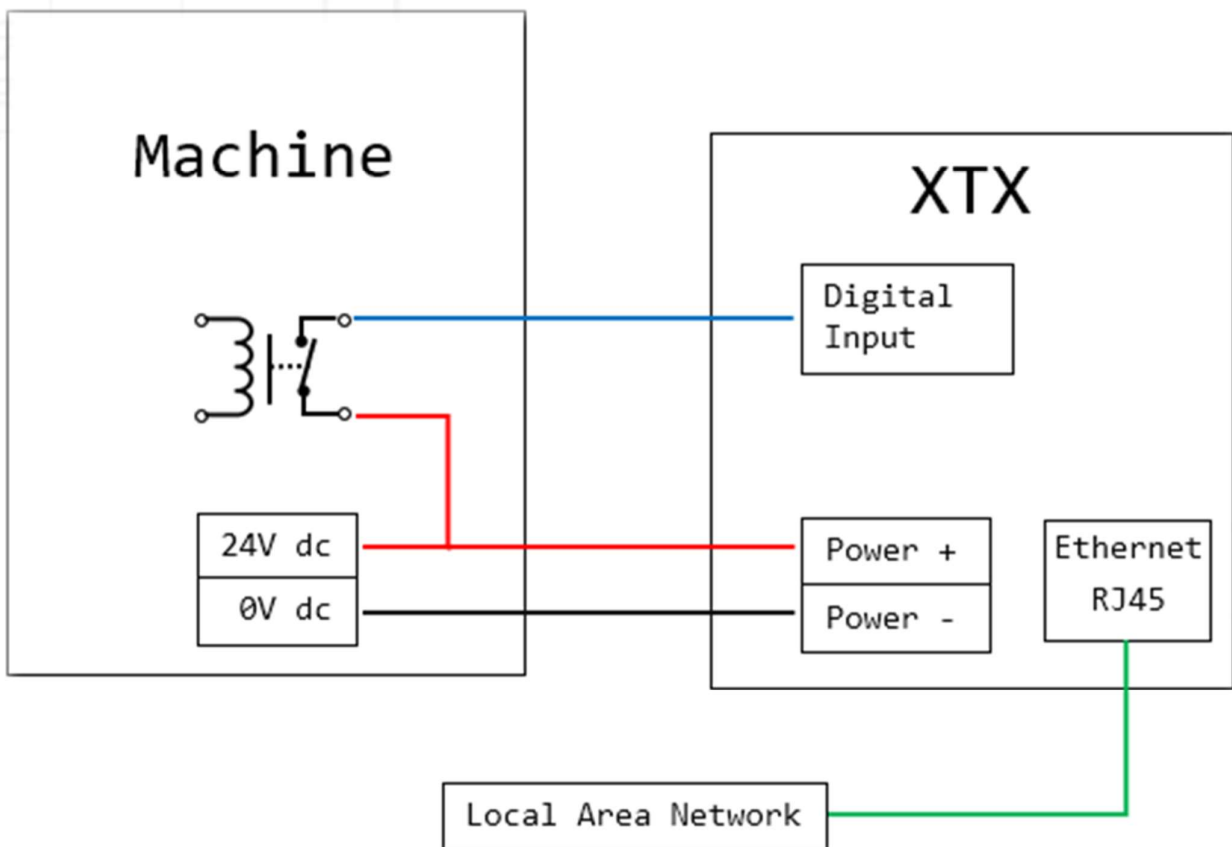
XTXZero16

The XTXzero16 has 16 digital inputs, to receive a maximum of **16** machine signals.

Each XTX Module will have three distinct input connections:

- **24 V DC** power supply
- A **Network connection** to your LAN or your WLAN
- **Cycle signal** from machine(s)

The diagram below illustrates the 3 input connections at each XTX



# Connections

XTXZero16

## Power

Each Intouch XTX requires a **24V dc 18W** power supply. This can be provided locally at each XTX.

The XTX is protected by an internal **1.5A** resettable fuse. An in-line fuse should be provided to protect the wiring against over-voltage and to facilitate isolation of the XTX.

**Wire Type - Any 2 Core Cable capable of carrying 750mA.**

## Network connection

The XTX should be connected to your LAN via the standard RJ45 connector. An Ethernet cable of type Cat5e or above should be used.

If firewall restrictions are in place the XTX device will need access through the firewall to our Azure server. Connection status can be confirmed by navigating to <https://status.intouchi4.com/>

## Machine Signal Inputs

Machine signals are wired directly from the machine to the XTX module with any 2 core cable capable of carrying 20 milliamps

For each signal a 24V supply is provided by the XTX module through one conductor of each 2 core cable to a normally open, volt free contact relay on the machine and then returned to the XTX via the other conductor of the cable.

For discreet processes such as injection moulding or metal stamping, the relay should be controlled by a signal which activates once during each machine cycle.

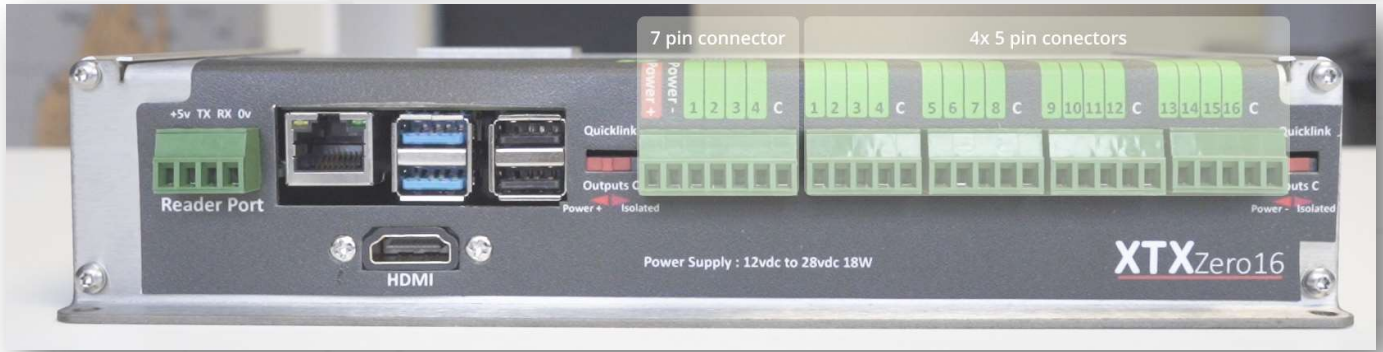
For a continuous process such as extrusion, the relay should be controlled by an output from a rotary encoder.

**See below for physical layout.**

# Physical Layout

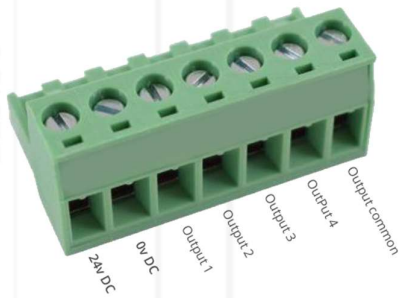
XTXZero16

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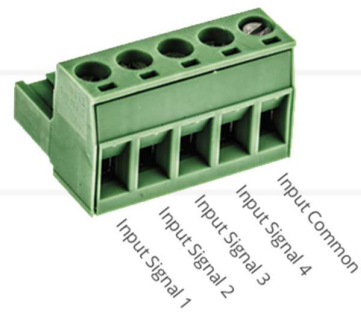


## Orientation of 7 pin power/output connector

Nb. Only 0v and 24v connections required.



## Orientation of 5 pin input connector



# Wiring detail

XTXZero16

