intouch
great production performance made easy

XTX016C
Wiring Guidlines
2.0

Please scan the QR code to follow a link to our Installation video

XTX016C Wiring Guidelines

Overview

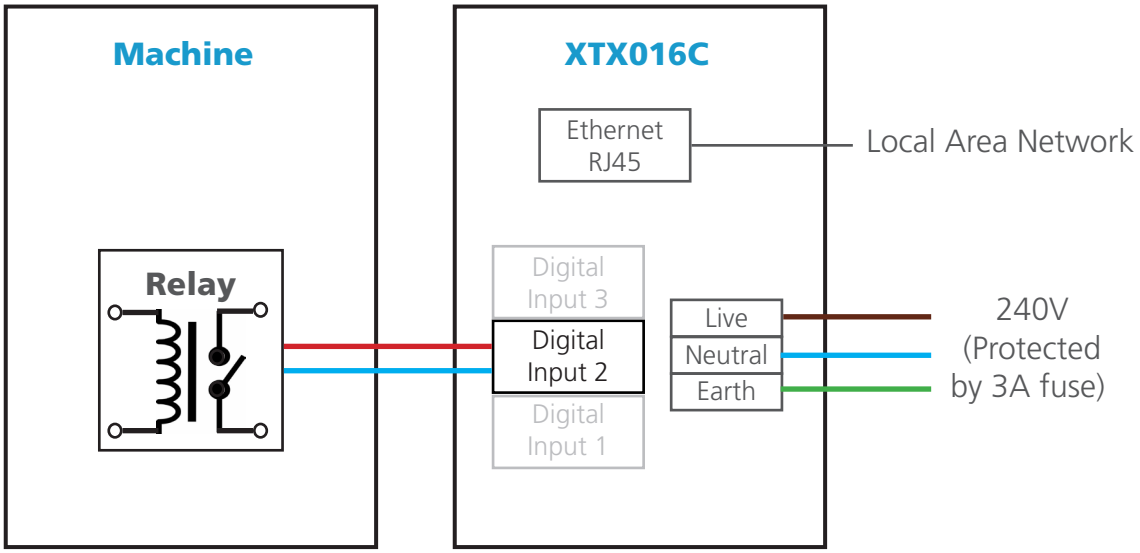
The XTX016C has 16 digital inputs, to receive a maximum of 16 machine signals.

Each XTX Module will have three distinct input connections:

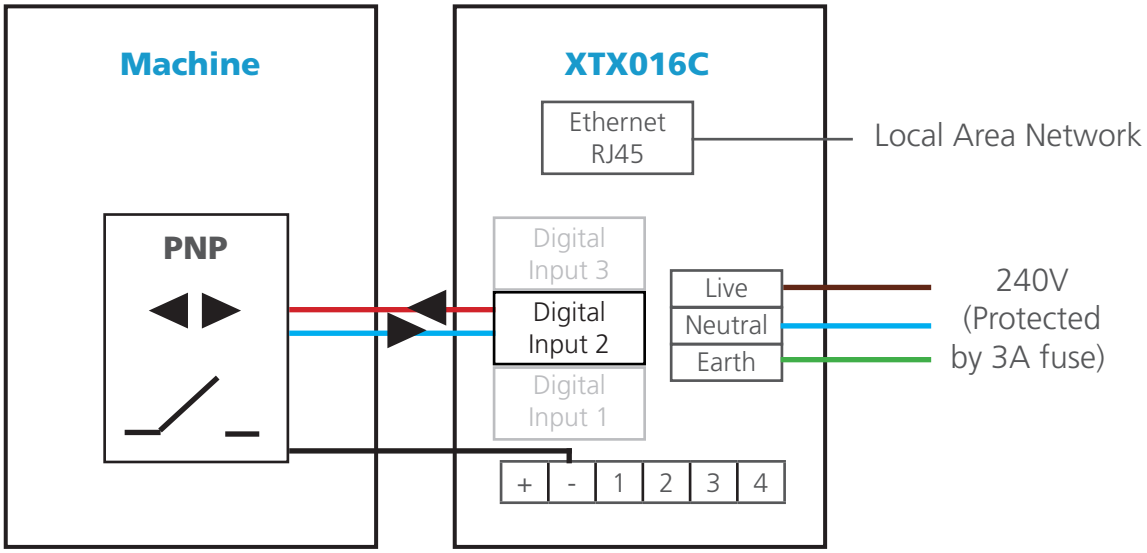
- 110-240 V power supply protected by a 3A fuse at the source
- A Network connection to your LAN via Ethernet
- Cycle signal from machine(s). The signal current required is 8mA

The diagram below illustrates the connections required at your XTX device:

Signal from relay



Signal from sensor



Connections

Power

Each Intouch XTX requires a 240V power supply protected by a 3A fuse at the source.

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. A split seal gland is included to allow pre-terminated ethernet cable to be installed.

You should open incoming and outgoing traffic to

https://intouchmonitoring.com/

The network status can be checked by navigating to

https://status.intouchi4.com/

Any tests which show in red could indicate connection issues between your LAN and our servers.

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.

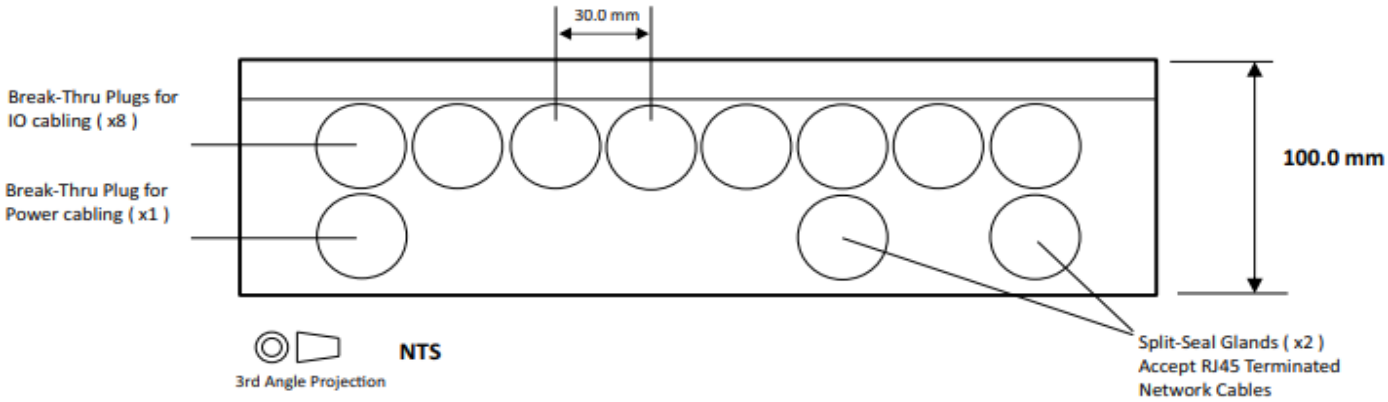
Cycles can also be monitored by a PNP sensor.

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.

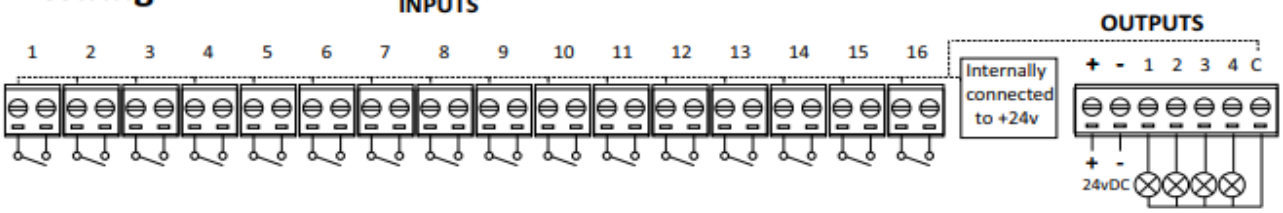
For a continuous process such as extrusion, the relay should be controlled by an output from a rotary encoder.

A solid state relay (SSR) is recommended, and essential for very fast signals such as pulses from a rotary encoder.

XTX016C Dimensions



Wiring



Type of Input

Volt-Free Contact Input Resistance 2K, reverse polarity protected.

Type of Output

NPN Open Collector Outputs, Max Load per output : 0.15A