



How To

Service Documents from APPI

Document: #HT000028

Document Title: Connect External Equipment Using Aux 2

Product(s): T-300/375 & T-1000

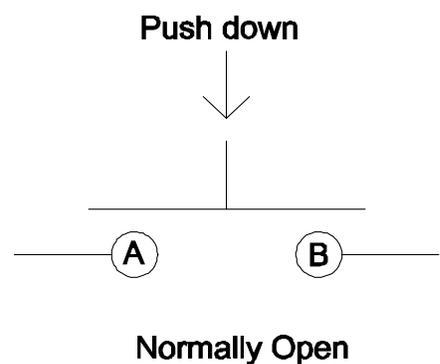
Procedure:

AUX 2 is the connection between the T-375/T-1000 Bagger and customer equipment. The purpose is automating the bagging process so that minimal operator input is needed.

Circuit Types

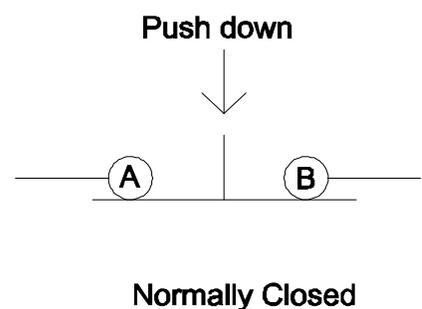
NO – Normally Open

“Normally Open” means that the circuit is open, and pressing the switch will close it. There is no connection between wire A and wire B. Pressing the button will connect, or “close” the gap between A and B.



NC – Normally Closed

“Normally Closed” means the circuit is closed, and pressing the switch will open it. There is a constant connection between wire A and wire B. Pressing the button will disconnect, or “open” the gap between A and B.





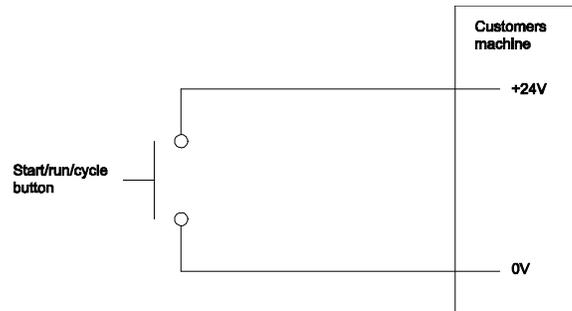
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AUX Out

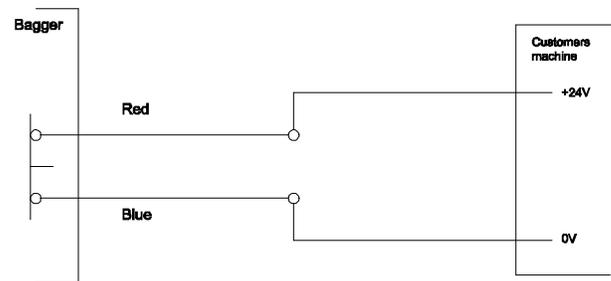
AUX Out is where the Bagger is ready, and where the customer's equipment can cycle. Basically, the Bagger will trigger the cycle for the customer's equipment.

Typically, if customer uses a manual start/cycle button, the Bagger AUX Out replaces the button.



This will be tied in to where the customer's equipment gets its Start signal.

The customer's equipment will connect Red and Blue to their start/run/cycle, and the Red and Blue is connected to a relay inside the Bagger that opens while it cycles (seals the bag, indexes new bag), and then closes.



Note:

The relay inside the Bagger is NC, and only opens and breaks the circuit while the Bagger operates. The rest of the time it is closed, meaning the Bagger is ready to receive product.



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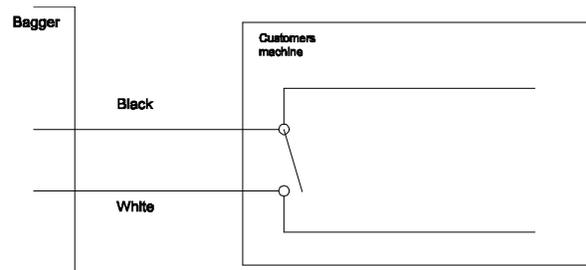
AUX In

AUX In is used where the customer equipment has performed its cycle, and the Bagger can seal the bag.

Examples of tie-ins:

- Scale ready
- Dump complete
- Cycle complete

The customer needs to find which relay marks the end of the equipment cycle.



The only thing that is needed on the AUX In is a connection between the black and the white wire. There is no voltage to measure.

The relay in the customer's equipment should be a NO relay, which only activates at the end of the cycle.