ATL HDX READER WIRELESS SYNC RECEIVER

Version - July 2013

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Part Number - 39-0219

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GOOD PRACTICE: Control, Power and Data Cables and Conduit.

- Cables must be kept as short as possible running directly from point to point. Cut out any excess cable rather than leaving it coiled.
- Where ever possible cables should be contained in a waterproof conduit using the correct csa cable specified in the diagrams.
- Entries must be made into the bottom of power supply or control casings but never into the top. This will invalidate the warranty.
- Strip existing cables back to bright copper before connection.
- Keep multicore cables away from other cables especially those carrying mains or heavy currents. Cross only at 90° where necessary and do not enclose in conduit with other cables.
- Keep feeder cables and coaxial cables in separate conduits.
- Make sure diodes are fitted to all feeders, pulsators and solenoid valve. These should be fitted as close as possible to feeder motor or solenoid coil.

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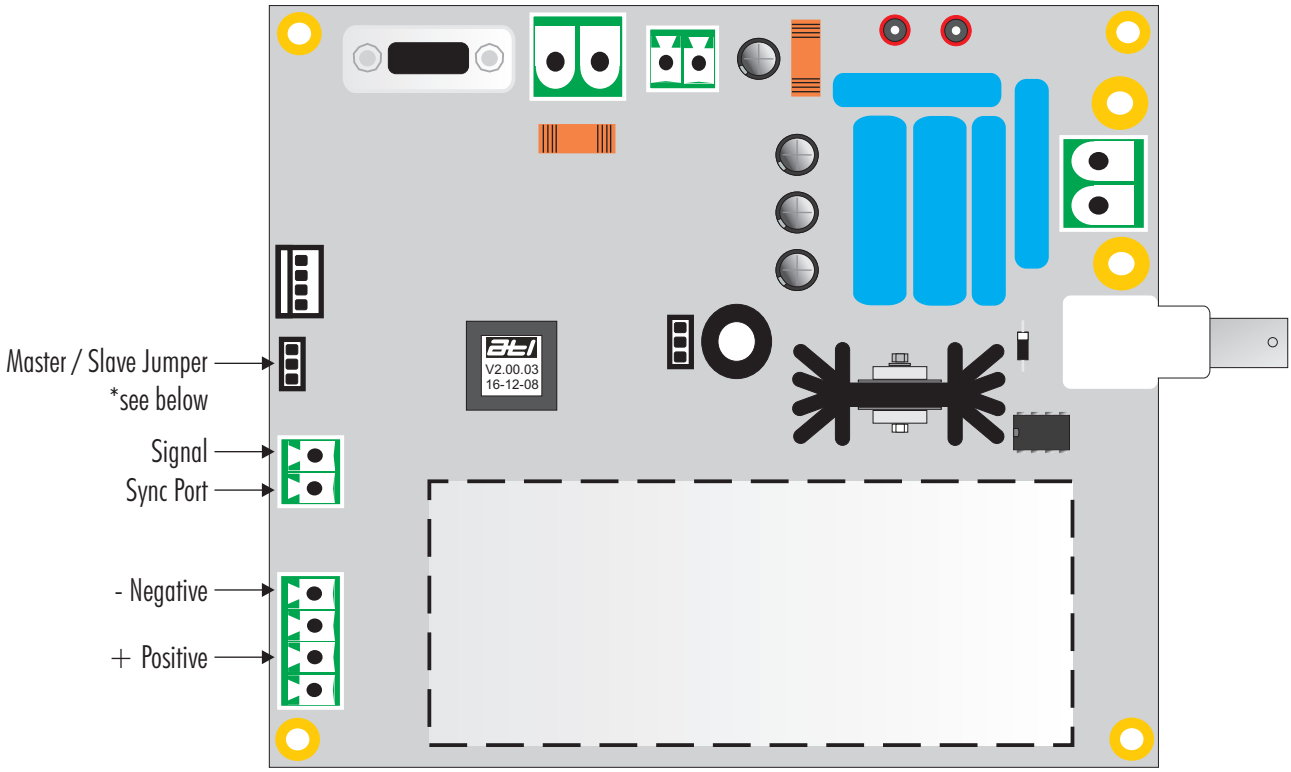
ATL HDX READER WIRELESS SYNC RECEIVER: **1**

The ATL HDX Reader

The ATL HDX reader can be found in all ATL products which use automatic identification. Examples are parlour auto-id systems, Pegasus sorting gate systems and out of parlour feeding systems.

If two (2) or more ATL HDX readers are in close proximity, they may interfere with one another and adversely affect performance. In order to overcome this, the readers need to be synchronised together. This can be achieved by installing wireless synchronisation PCBs and connecting them into the synchronisation port as shown in the diagram below.



Master / Slave Jumper Settings

= Master

= Slave

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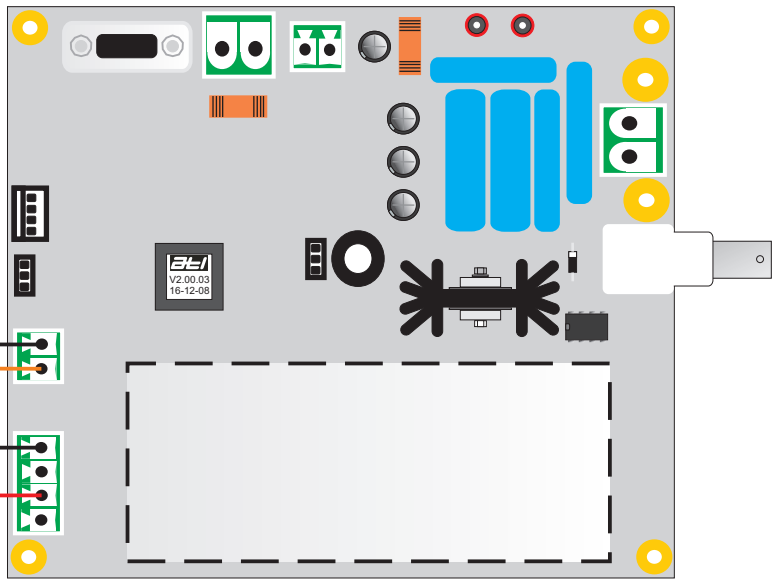
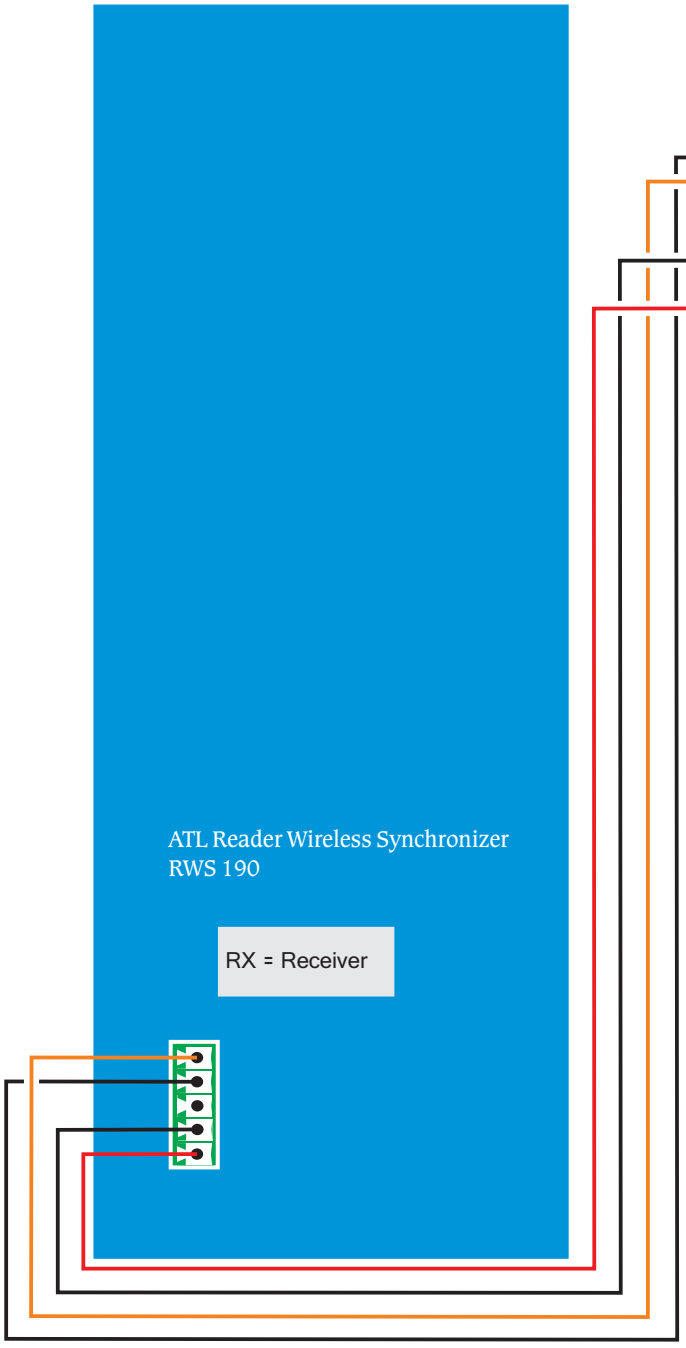
ATL HDX READER WIRELESS SYNC RECEIVER: **2**

ATL HDX Reader Wireless Sync Receiver Connections

The receiver PCB slots into the side of the Interface Unit. The jumpers on the ATL HDX reader PCB need to be set to slave if a receiver card is connected.

NB - The silver chip on the PCB will have a TX designation if it is a transmitter card and an RX designation if it is a receiver card.





IMPORTANT - The maximum range of the wireless sync transmitter and receiver system is 50 metres. DO NOT install the wireless transmitter or receiver with metal objects directly in line between as this will effect the maximum range and performance.

NB - A separate manual displays the wiring of the transmitter PCB.

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