Anztec PS 200 Installation/Operation Guide

The PS200 is a power supply/interface suitable for connecting card terminals such as the Nayax VPOS and Onyx to wash bays and peripheral devices on car wash/pet wash sites. The PS200 accepts pulses from the coin mech and card terminal, and combines these down a single isolated output line that can be configured for compatibility with any controller type.


When installing into manual bay controllers vacs etc. follow the recommendations below to ensure a safe and reliable installation. The PS200 may be easily mounted on a spare length of DIN rail should one be available. Alternatively, it can be affixed with adhesive onto a flat surface inside the control enclosure. Start the installation by removing 2 covers from the PS200 flanges to expose the coin mech and terminal block connectors as shown below.

Coin Mech Installation

> Warning – Never plug or un-plug the coin mech into/out of the 10 pin connector when the PS200 is powered-up. Always remove power from the PS200 before connecting or disconnecting the coin mech.

Plug the coin mech into the 10 pin coin mech connector. The PS200 accepts pulses on the accumulator channel (channel 6) and integrates these with pulses coming from the credit card terminal. These summed pulses are then used to drive a dry contact relay output which is available for use on the terminal block connector pins 3 and 4 (Pulse Out). The green LED flashes to indicate that the relay output has been activated.
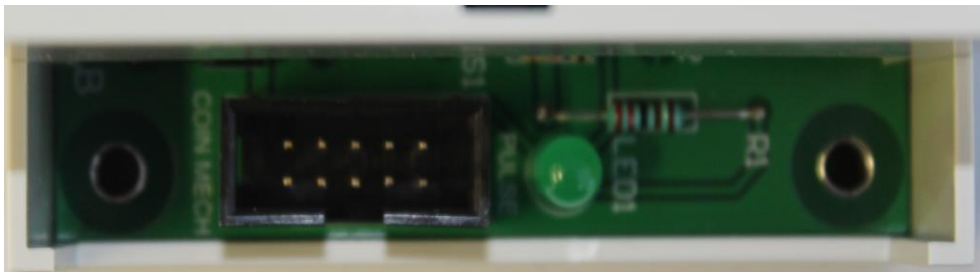
Connection to Timer/Controller

The host timer/controller is connected via the blue terminal block.
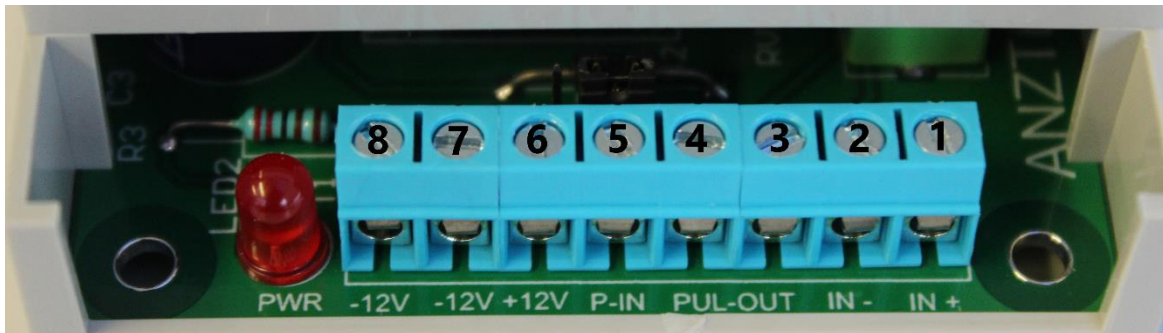
Terminal block pins are numbered from right to left. Labels on PCB and functionality are as follows:

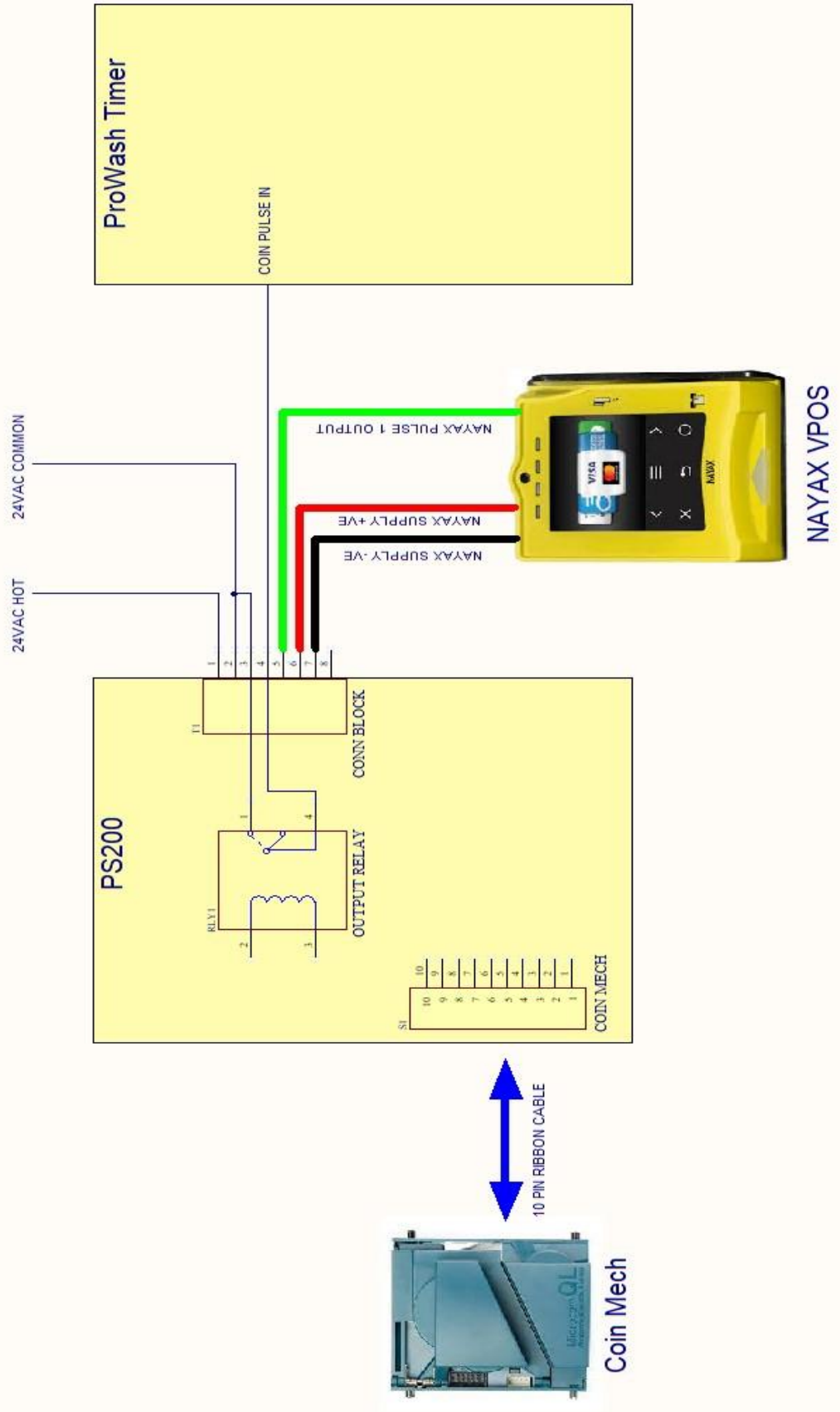| Pin No.	PCB Label	Function
1	IN+	24VAC Hot or DC Supply Positive
2	IN-	24VAC Common or DC Supply Negative
3	PUL-OUT	Dry contact relay terminal 1
4	PUL-OUT	Dry contact relay terminal 2
5	P-IN	Pulse Input From Card Terminal
6	+12V	12V Output to Power Card Terminal
7	-12V	GND Output to Power Card Terminal
8	-12V	GND Output to Power Card Terminal

Functionality and pin numbers are also detailed on the enclosure decal as shown below:

The diagram on the following page shows a typical installation with a Prowash manual bay timer, Microcoin QL coin mech and Nayax VPOS card terminal. Note that 24VAC COMMON is looped into one side of the output relay as the Prowash timer requires pulses of 24VAC COMMON to signal credit pulses on the coin input. Note that it may be necessary to loop 24VAC HOT, +12VDC or -12VDC through the output relay depending on the specific requirements of the timer being interfaced to.

The red LED indicates that the 12VDC output is operational.

PROWASH TIMER / NAYAX VPOS / PS200 INTERCONNECTIONS

ProWash Timer

COIN PULSE IN

NAYAX VPOS

NAYAX PULSE 1 OUTPUT

NAYAX SUPPLY +VE

NAYAX SUPPLY -VE

24VAC COMMON

24VAC HOT

PS200

CONN BLOCK

OUTPUT RELAY

RLY1

COIN MECH

10 PIN RIBBON CABLE

Coin Mech

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## Quest to Nayax Retro-Fit Conversion

The image below shows the simplest and fastest method of retro-fitting a manual bay/vac that originally had Quest CT400 fitted to Nayax. Install the Nayax pulse loom as shown with the black red and green wires. Cut the connector off the CT400 loom and install the two yellow, orange and red wires.
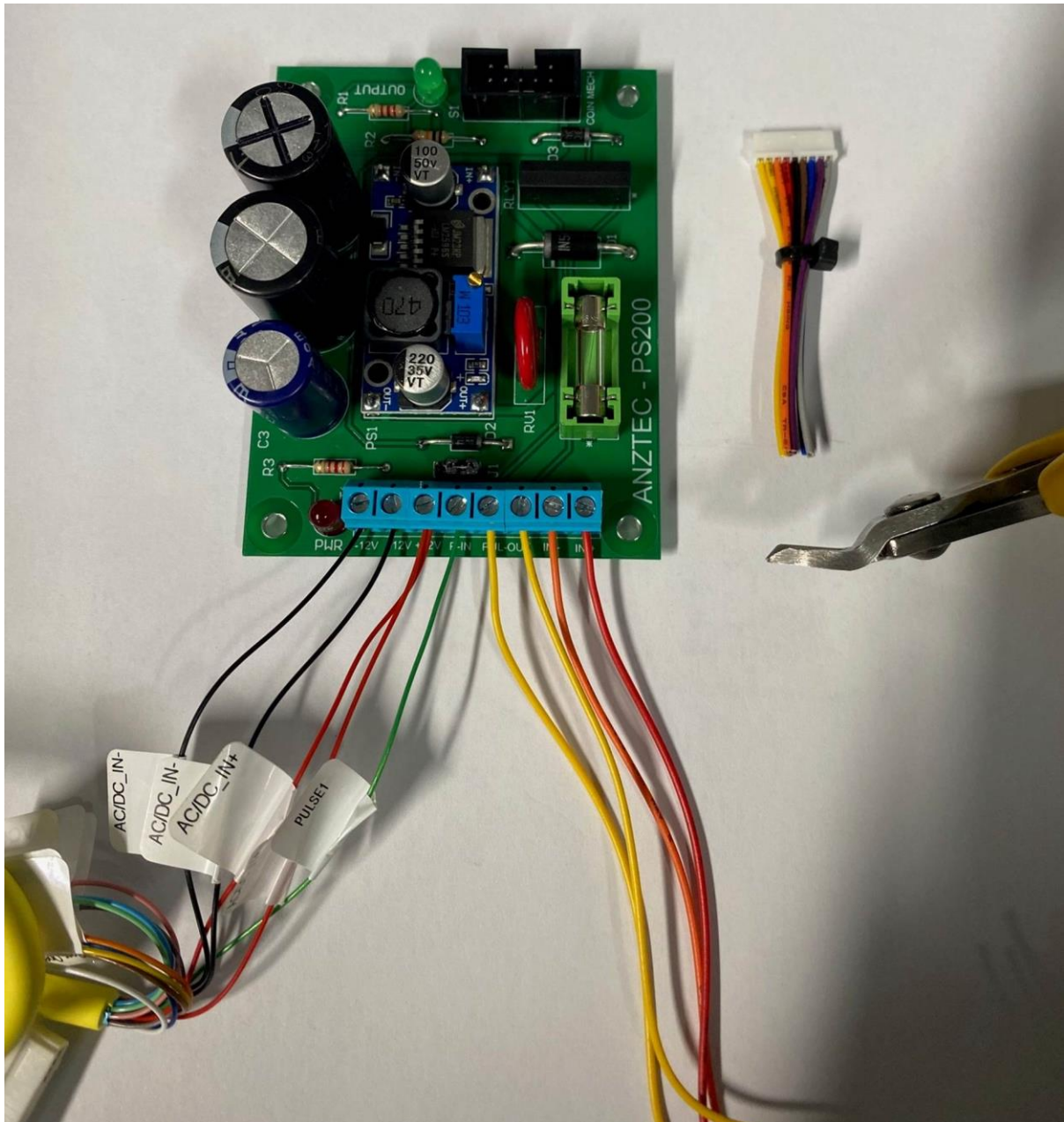
Cash Reporting Enable Link

The 3 pin Cash Reporting enable link is located directly behind the terminal block and labelled J1. The link is accessed by removing the PS200 centre cover. When the link is placed over pins 1 and 2, coins inserted into the coin mech are reported back to the Nayax back end server and may be included in reports and analysis. When the link is removed entirely or placed over pins 2 and 3, cash reporting is disabled and no coin pulse information will be transmitted to the Nayax server.

The following image shows the link in cash reporting enabled mode i.e. cash details will be sent to the Nayax back end.
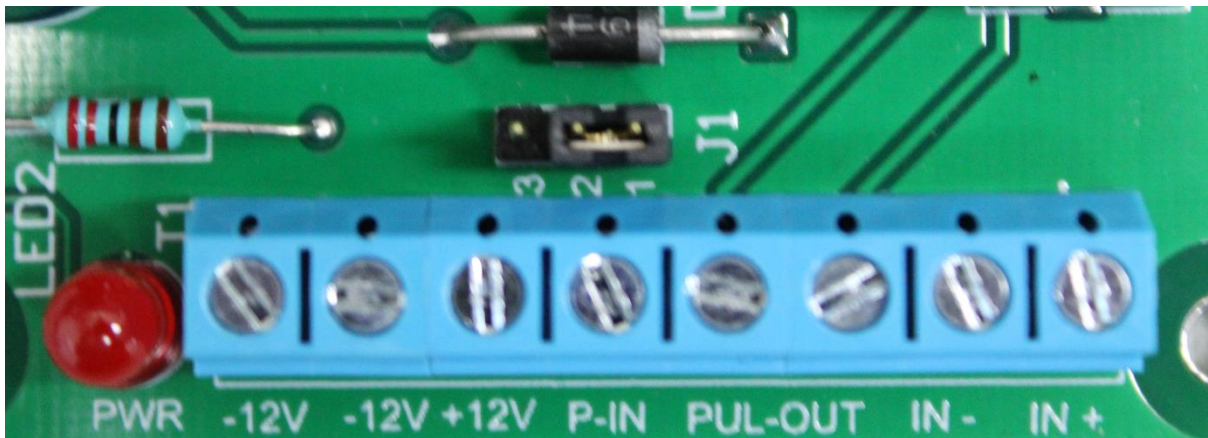
The following image shows the link in cash reporting disabled mode i.e. cash details will not be sent to the Nayax back end.