PEDESTRIAN COIN PAYMENT SOLUTION - TYPE CPS-0003

Our Coin Payment Solution control board V2, has been design to connect all the components needed to make a fixed free payment systems for pedestrian turnstiles and gates.

The control board consists of:-

- 8 optically isolated outputs.
- 2 relay outputs.
- Connection for a large graphic display.
- Connection for a coin validator.
- Connection for an escrow.
- Connection for a receipt / audit printer.
- RS232 interface.

The control board is micro-processor controlled and because we have designed it, we can write the software to meet specific customer requirements.

TYPICAL OPERATION

The following describes our standard firmware's typical operation.

At rest the display (if fitted) shows the “FEE”, as each coin is inserted its value is deducted from the ‘‘FEE’’ until the vend price is reached. Once reached the display changes to a directional arrow, indicating that passage is now possible.

A transaction complete signal from the turnstile/gate once passage has been completed or the vend has been timed out, is used to confirm the transaction.

In order to speed passage the control board can stack the vends. Each vend is stored in the control boards memory and as each transaction it completed the stores vends are counted down.

Detailed audit information is shown on the display when either the cash box is removed, or last shift switch is operated. Alternatively it can be printed either on a small hand-held printer, via a receipt/audit printer, via GSM or over a PC network.

A “LAST SHIFT” switch (if fitted) is used to print the audit information but in this instance it in NOT reset.

The “ATTENDANTS” switch (if fitted) allows free entry for the attendants. Alternatively this can be done via tokens, hand held fobs or an access control system.

In order to prevent coin jam because of over full cash boxes a “cash box full” limit can be set. Once the cash box is full the turnstiles/gates can be set to either allow free entry or block entry until it has been emptied.

As standard only 4 of the optically isolated inputs are used, there functions are:-

Input 1. Free exit.
Input 2. Transaction complete
Input 3.
Input 4. Cash box switch.
Input 5. Last shift switch.
Input 6.

COIN PAYMENT SOLUTION (CPS)

TYPE - CPS-0003

TECHNICAL DATA No CPS-0003

Specification and design subject to change without notice.

Willings SERVICES LIMITED

Tel: 01264 334786 or email info@willings.co.uk
www.willings.co.uk or www.coin-validator.co.uk

TECHNICAL DATA - TYPE CPS-0003

Whilst the unit can only work on one fixed price at a time there the controller has an on board real time clock. This can be used to automatically change the vend price at any give time during the day. Only one time period can be set per day, but it can be different for each day of the week.

If required we can mount the control board into our Parking Machine Controller housing complete with coin validator and escrow.

Advantages at a glance.

- Audit information for accountability and prevention of fraud.
- Audit retrieval via, display or printer.
- Remote audit and fault diagnostics via GSM or connection to a PC for networking and remote operation.
- Four adjustable tariffs settings.
- One real time clock tariff setting.
- Various make and model of electronic coin validator for single, multi coin and token acceptance.
- Large (optional) graphic display for visual instructions and audit retrieval.
- Stacking function to speed passage flow.
- Last shift audit function.

TECHNICAL SPECIFICATION

- Operating temp: -20°C up to +70°C.
- Power supply: 20- 28 Volts AC RMS.
- Power consumption: 5VA nominal, 8VA during coin acceptance.
- Inputs: 8 optically isolated inputs, each input can be either:
  Volt free contacts capable of switching 18-30VDC into a 2k7 load, or 18-30 VAC RMS into 2k7 load.
- Outputs: Two volt free dry contact DPCO relays, and one 24VDC supply.
- Relays: Rated 1A 30 VAC, 0.5A 125 VAC.
  Relay 1. A. Barrier open signal.
  B. Escrow accept.
  Relay 2. A. Escrow reject.
  B. Not used.
- 24 VDC: Output to drive a coin entry shutter.

Optional Display

- Operating temp: -20°C up to +70°C.
- Size: 128 x 32 pixels.
- Viewing area 100 x 25 mm