

Pay on Foot

Introduction to MANUAL PAY STATION CAR PARK SYSTEM

Produced by
ABBERFIELD
TECHNOLOGY



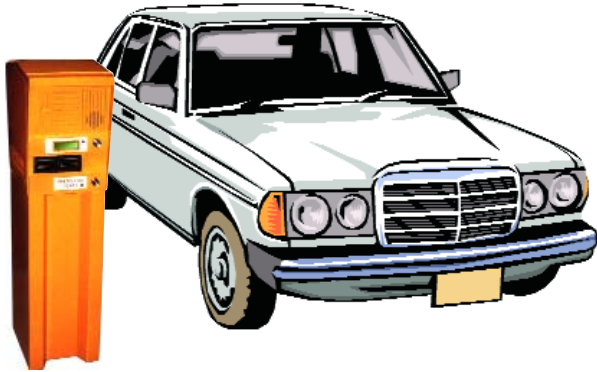
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CONTENTS

Operations Section	Page
<u>System Description</u>	
INTRODUCTION	
Pay on Foot Fee Collection System	2
SYSTEM OPERATION DETAILS	
Drive Through Time	3
Exit Grace Time	3
Recycled Tickets	3
Ticket Types	3
Pass Card	4
Discount Card	4
Lost Card	4
Management Information	4
<u>Equipment Options</u>	
EQUIPMENT OPTIONS	
Ticket Loading Clearance	5
Module Replacement	5
Communications Module	5
Car Park Full Sign	6
Alarm Conditions	6
Desktop Controller	7
Entry Stands	8
Parking Tickets & Pass Cards	9

PAY ON FOOT CAR PARK FEE COLLECTION SYSTEM

Entry

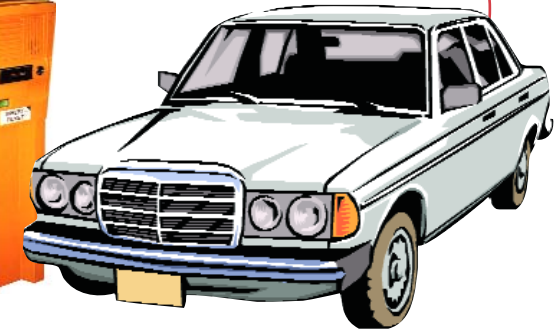


Pay Station

Self Serve or Manual



Exit



ENTRY

- * Card issued encoded with time and date details initiated by; Loop detector or push button or loop and button.
- * Boom gate opens.
- * Alarm output if fault occurs.

MANUAL PAYMENT OR

- * Card taken to cashier.
- * Inserted in desktop machine.
- * Screen shows fee due.
- * Pay notes and coins over counter.
- * Change given.
- * Receipt if required.
- * Card returned to driver.

SELF SERVE PAYMENT

- * Insert card into Self Serve Pay Station
- * Screen shows fee due.
- * Pay notes and coins into machine.
- * Change given.
- * Receipt if required.
- * Card returned to driver.

EXIT

- * Insert card.
- * Card captured.
- * Boom gate opens.
- * Alarm output if fault occurs.

SYSTEM OPERATION DETAILS

Drive Through Time

It is possible to set an entry grace time to allow a car to drive out of the car park again, without parking and without paying, as may be necessary in a car park full situation. If the card from the entrance is taken straight to the exit it will operate the boom gate. This grace period is usually set for 10 minutes.

Exit Grace Time

It is normal to set a grace period of around 15 minutes between the time of payment is made to the cashier and the time allowed to exit. This period can be set to any value. Should the driver exceed the period the ticket will be returned rather than captured and will need to be taken back to the cashier again. Should a drive through period be set this adds to the exit grace time, ie. default conditions of 15 minutes exit time plus 10 minutes drive through time gives a total grace time of 25 minutes.

Recycled Tickets

Operated as detailed, the tickets can be recycled. If the tickets are plastic their life can be many times that of a paper ticket and then these tickets, although dearer to purchase, become the cheapest system, on a cost per transaction basis.

Ticket Types

A range of ticket types can be offered, such as Pass Card, Discount Card or Lost Card.

SYSTEM OPERATION DETAILS continued ...

Pass Card

These can be programmed for a preset number of entries, or a preset future date or both. If both are nominated the card is valid until the first occurrence of entry or date limit. The exit stand can be programmed to capture or return an expired pass card. If the Pass Card is inserted into the Pay Station the display will show remaining credit and the card will be returned to the driver.

Discount Card

Like a Pass Card, access is obtained to the car park but payment for parking must be made before using the exit. The Manual Desktop Controller recognises the discount details and charges accordingly.

When exiting, the card is returned and the boom gate does not open until the card is taken.

Lost Card

If a driver loses his card an attendant can issue a "Lost" Courtesy Card to allow exit.

Management Information

A printed audit ticket can be issued from the attendant's Desktop Controller at any time plus when the attendant "logs" off.

In addition, reporting may be provided on an office computer, of all car park activities, revenues collected, usage patterns etc. refer Management Information Manual.

EQUIPMENT OPTIONS

Ticket Loading and Clearance

The Entrance Stand can be loaded with tickets and the Exit Stand can be cleared of used tickets from a rear door without effecting normal use of either machine.

Module Replacement

The Entrance ticket dispensers and Exit ticket encoders slide into place and automatically plug into robust self aligning electrical sockets with gold plated contacts. This permits rapid on site replacement for service or maintenance purposes by unskilled operators The display on the control module shows fault conditions to assist in service work.

This same principle applies to the components in the Self Serve Pay Stations and the cashiers Desktop Controller.

Communications Module

This device is optional and allows data transfer between a Desktop Controller and the Entrance and Exit Controllers. It is then possible to remotely close the car park, open boom gates, implement an active "anti Pass Back" feature, update clock settings in all units and maintain an active indication of cars in the car park, or conversely, spaces available.

EQUIPMENT OPTIONS continued ...

Car Park Full Sign

This can be provided in two ways. The normal is a sign driven from the Entrance Controller in conjunction with a Desktop Controller. In this way the sign is under automatic control based on the numbers of cars in the car park, or it can be directly controlled by the operator, from the Desktop Controller. Alternately a sign can operate under its own control, based on inputs from the Entrance and Exit boom gates.

Alarm Conditions

Entrance and Exit stands, Self Serve Pay Stations and Desktop Controllers include an alarm circuit to indicate a fault condition. This is usually wired for remote monitoring. If a communications module is included in the system, fault conditions can be transmitted by the data cables and then be displayed on the Desktop Controller.

EQUIPMENT OPTIONS continued ...

Desktop Controller & Manual Pay Station



*Manual Pay Station
or Desktop Controller*



Stalk Display

Rear View



Manual Pay Station

Used to process parking tickets, control the car park or issue Pass Cards. All of these features can be achieved by simple keyboard entry. There is effectively no function that this compact device cannot provide and for all normal applications a host computer is not needed.

Desktop Controller

This is the same device as a Manual Pay Station, with a different programme. The name change reflects its use, usually at a reception or similar place, to issue Pass cards etc. Fitted with a communications module they can be used to remotely open boom gates and mirror some of the functions of a Manual Pay Station.

Equipment Options continued ...

Entry Stands

A common stand is used for the Entry and Exit configured by the modules installed and fascia fitted. Two types of base assemblies are offered. Stands are produced from aluminium and painted to suit the customer's requirements.



903 mm



DE Stand

DE preferred

A standard height covers most applications, whether mounted on the roadway or an island. Stands to different heights can be produced to order.

Stands that "Goose neck" forward are also available.



Basic Entry Fascia



Entry Fascia with display & intercom



Basic Exit Fascia



Exit Fascia with display & intercom

Lower cost units can delete the intercom and display. The Entry "Press for ticket" button can be deleted if ticket issue is from a car park present loop only.

Equipment Options continued ...

Parking Tickets & Pass Cards

The Abberfield system will operate on paper or plastic tickets and these are the same length and width as a credit card but usually thinner. It is strongly recommended that plastic is used as this allows the parking ticket to be recycled and although dearer to purchase than paper the plastic will provide the cheapest per use cost of any system.

Pass Cards are the same as the normal parking ticket but if preferred they can be of thicker material. Generally it is recommended they are 0.4mm thick, about half that of a credit card.

Cards can be obtained from Abberfield and produced in any quantity through the company's own bureau printer. Customer specific artwork is produced in house and cards personalised with a user photo can also be provided.

Wherever possible plastic cards of Polyester material should be used, as they provide excellent performance.

Lower cost P.V.C. material cards may also be used, but they may cling together and therefore require the ticket dispenser to be operated with a reduced stack height.

