ADVANCED DOORS LTD

‘CELERITAS K5’
FLEXIBLE FOLD-UP
HIGH SPEED DOOR

INDUSTRIAL DOOR OWNERS LOGBOOK
OPERATING & MAINTENANCE INSTRUCTIONS
SERVICE INSTRUCTIONS
MAINTENANCE RECORDS
CERTIFICATION

CONTENTS

'CELERITAS K5'
HIGH SPEED DOOR

‘CELERITAS K5’
HIGH SPEED DOOR

1.1 INTRODUCTION

An industrial door is a vital everyday piece of machinery in the operation of almost every industrial building. If a door is not maintained properly it can become extremely dangerous and, if un-useable, can even stop your business operations. To comply with Health & Safety regulations and to keep within our warranty it is imperative that the door be operated and maintained in accordance with these instructions. Should you require any further information or assistance with this logbook, please do not hesitate to contact us.

These operating instructions must be passed to the owner of the door and read and understood by all personnel who will have cause to operate the door.

1.2 DOOR WARRANTY

All equipment manufactured or supplied by the Company is guaranteed against faulty materials and workmanship for a period of 12 months from the date of installation (or delivery in the case of supply only). This warranty is subject to fair wear and tear and having been maintained to our recommendations.
All equipment manufactured in compliance with the following standards…

BS EN 13241-1
BS EN 12424
BS EN 12425
BS EN 12427
BS EN 12453
BS EN 12444
BS EN 12489
BS EN 12445
BS EN 12604
BS EN 12605
BS EN 12635

Each product is CE marked and labelled in accordance with BS EN 13241-1.

Please Note:-

To comply with BSEN 13241-1 and Regulation 5 of the Workplace (Health, Safety and Welfare) Regulations 1992, it is the responsibility of the owner of the door to maintain a fully detailed service and maintenance record and ensure it is serviced in accordance with the our recommendations.

1.3 OPERATING INSTRUCTIONS

"CELERITAS K5"
HIGH SPEED FOLD UP DOOR

Application

These operating instructions apply to a high Speed Fold-Up Flexible Curtain Door, which is electrically operated. Trained personnel should only operate the door. This door is designed for constant daily use in high volume traffic areas. It is not designed for security and would have to be used in conjunction with other doors on external applications.

Electrical Operation

To open the door via the push button control.

Check that there are no obstructions that may prevent the door from opening. DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the "UP" button, positioned at the side of the door, and the door will travel vertically until it reaches its upper limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully open position. The door can be stopped at any time by pressing the "STOP" button. To restart the open operation, simply press the "UP" button again. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards "UP" to activate the door.

To close the door via the push button control.

Check that there are no obstructions that may prevent the door from closing. Check that the area is clear of all personnel. DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the "DOWN" button, positioned at the side of the door, and the door will travel vertically until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. The door can be stopped at any time by pressing the "STOP" button. To restart the close operation, simply press the "DOWN" button again. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards "DOWN" to activate the door.

Automatic Operation

The door will self-open if triggered by any automation such as loop detectors, motion detectors or radio control. It will open to full height and will self close after a time delay.

The door will self-close after the time delay subject to no intervention from the safety features. The safety features include two photoelectric safety beams at low level (one inside and one outside) and loop detectors (where fitted). If any of the safety features are activated the door will fail-safe and remain open.

Emergency Manual Over Ride Operation

In the event of a power failure, the door is supplied with a manual over ride system. This is via a motor hand crank mechanism.

To engage the manual over ride system, disconnect the power supply, fit ratchet on to bottom end of motor drive unit at high level and turn in desired direction.

1.4 AUTOMATION

Basic Timed Close Operation

The door is opened via the normal method, however, the door will self close after a period of time. An Opto-Electronic self-monitoring safety edge is installed on the leading/bottom edge of the door. This will stop and then re-open the door if it comes into contact with an obstruction. At least one Photo Safety Beam is provided across the door opening, which will prevent the door from closing if the beam is broken. This safety beam will also stop and re-open the door if broken during its closing cycle.

Remote Operation

The door is to be operated from a remote location via push buttons of a key switch.
An Opto-Electronic self-monitoring safety edge is installed on the leading/bottom edge of the door. This will stop and then re-open the door if it comes into contact with an obstruction. At least one Photo Safety Beam is provided across the door opening, which will prevent the door from closing if the beam is broken. This safety beam will also stop and re-open the door if broken during its closing cycle.

Radio / Infra Red Operation

The door is to be operated from a remote location via hand held transmitters. It can be closed by the transmitter or can be timed closed.
An Opto-Electronic self-monitoring safety edge is installed on the leading/bottom edge of the door. This will stop and then re-open the door if it comes into contact with an obstruction. At least one Photo Safety Beam is provided across the door opening, which will prevent the door from closing if the beam is broken. This safety beam will also stop and re-open the door if broken during its closing cycle.

Induction Loop Operation

The door is to be operated from induction loops set into the floor. The loops also act as a means of safety in that the door will not self-close whilst the vehicle is parked on the loops. The door will self close via timed closing.
An Opto-Electronic self-monitoring safety edge is installed on the leading/bottom edge of the door. This will stop and then re-open the door if it comes into contact with an obstruction. At least one Photo Safety Beam is provided across the door opening, which will prevent the door from closing if the beam is broken. This safety beam will also stop and re-open the door if broken during its closing cycle.

Movement Sensor

The door is operated by means of a motion detector. . The door will self close via timed closing.
An Opto-Electronic self-monitoring safety edge is installed on the leading/bottom edge of the door. This will stop and then re-open the door if it comes into contact with an obstruction. At least one Photo Safety Beam is provided across the door opening, which will prevent the door from closing if the beam is broken. This safety beam will also stop and re-open the door if broken during its closing cycle.

1.5 CLEANING METHODS

Galvanised & Powder Coated Steel

Galvanised & powder coated door guides and covers should be cleaned with a cloth and white spirit. The doors guides contain electrical components and should never be pressure washed.

Winding Gear, Motor Unit, Barrel Assemblies

Winding gear, motor units and barrel assemblies are generally under cover at high level and do not require regular cleaning between planned maintenance periods.

Cleaning Materials, Solvents etc.

Heavy industrial cleaners such as trichloroethylene, paint thinners, formaldehyde petrol, diesel, sodium bicarbonate or “Gunk” should not be used. Nor should sand or shot blasting techniques, nor oxidizing agents.

1.6 SERVICE

It is essential that the door operation remains functioning in accordance with the operating instructions. To ensure this happens a documented maintenance regime shall be established and maintained by the employer in accordance with Regulation 5 of the Workplace (Health, Safety and Welfare) Regulations 1992.

Failure to do so may result in prosecution in the event of an accident.

The company operates a service contract scheme. If you require information on Service Contracts please call our after sales office.

Service Frequency
Note: Failure to keep the door regularly maintained could invalidate the warranty.

The following recommendations are for maintenance and repairs to ensure that the door remains in full working order throughout its service life. To ensure safe and reliable operation regular inspection and maintenance is essential. The frequency is dependant on the use.

Door cycles per day (1 cycle = open & close)	Recommended Maintenance period
Up to 15	6 months
Up to 30	4 months
Up to 45	3 months
Over 45	2 months

Prompt service and repairs will avoid unnecessary stress on components, which could lead to premature wear or failure.

Warning – Activities, which interfere with any part of the door that is under tension, must not be undertaken by untrained personnel. Interference with these components can be dangerous and should only be undertaken by trained personnel as part of regular maintenance.

1.7 SAFETY DEVICES

Safety Edge

A wireless safety edge will be fitted to each door. If any problem occurs with the safety edge, it will fail-safe and the door will only be able to be operated via continual pressure on the control buttons. The safety edge is powered by battery which will need replacing at times.

Safety Beam

A photoelectric safety beam may be fitted to the door to work in conjunction with a safety edge. If the beam is broken, the door will not close. If the beam is broken during closing, the door will stop and re-open to its fully open position. Please note that if the beam is out of alignment, the door will not operate.

1.8 GENERAL SAFETY

The following safety instructions should be adhered to at all times, failure to do so could lead to an accident and injury:-

1. Keep openings clear at all times.
2. Do not operate a damaged door, or one that is difficult to operate. In the event that the door is found to be damaged or difficult to operate, lock the door, remove the key, leave a warning notice on the door and ensure that a qualified person inspects the door.
3. Do not lean ladders against the door, the guides, or the casing.
4. Stand well clear of the opening whilst the door is being operated.
5. Operate the door only by the means provided.
6. Do not remove the casing over the curtain roll and the headgear unless the door is stopped, the chain is secured and locked in position or the power switched off at the isolator on power operated doors.
7. Do not use doors to lift materials or personnel.
8. Do not dash through a closing door. Wait for it to close and then re-open.

1.9 MAINTENANCE BY THE USER

On a daily basis the user should ensure that:

There is no damage to any parts of the door.

Excessive force is not required to operate the door.

Any damage to the door or excessive force needed to operate the door is reported and action taken as necessary to put the door in good working order.

Components of the door and the guides are free from dirt and dust build up likely to affect the operation.

The door operation continues to comply with the safety requirements.

Maintenance – by Specialist Engineer

A specialist service engineer in accordance with the service work instructions and task sheets should carry out the service and maintenance in accordance with the recommended service frequency as stated in section (1.6).

1.10 SERVICE CHECK SHEET

Note: - before operating the door, carefully inspect both internal and external sides of the door for obvious signs of wear or damage. If badly damaged, do not operate the door.

Door Curtain
Check general condition of door curtain.
Check curtain for signs of wear or damage.
Check curtain is securely fixed to barrel assembly.
Check bottom rail section for wear or damage.

Side Guides
Check all fixings are secure.
Check condition of guide channel and straighten any slight deformations.
Check that the door curtain feeds into the guides smoothly and correctly.

Barrel Assembly at High Level
Check fixings are secure.
Check all grub screws and keys.
Check condition of safety brake if fitted.
Check that coil casing and supports are securely fixed.

Electrical Drive System
Check motor drive is securely fixed.
Check drive gearing and lubricate.
Check operation of manual over-ride system.
Check electrical interlock of manual over-ride system.
Check door travel limits and adjust if required.
Check correct operation of control buttons.
Check correct operation of safety edge (if installed).
Check correct operation of safety beams (if installed).
Check all other control systems (if installed).

Service Label
Complete the service label adhered to the door and logbook if available.

1.11 MAINTENANCE / REPAIRS LOG

Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:
Date: Engineers Name:	Work Carried Out:

1.12 CERTIFICATION

EC DECLARATION OF CONFORMITY

Product:- High Speed Door

Manufacturer:-

Advanced Doors Limited
Park Mill Way
Clayton West
Huddersfield
West Yorkshire
HD8 9XJ

The above product is in conformity with the essential Health & Safety requirements of the Products Standard BS EN 13241-1 and the following transposed harmonised standards…

BS EN 292: parts 1 & 2: 1991
BS EN 294: 1992
BS EN 60204: part 1: 1997
BS EN 418: 1992
BS EN 12453: 2001
BS EN 12604: 2004
BS EN 12445: 2001
BS EN 12635: 2002
BS EN 12424: 2000
BS EN 12425: 2000
BS EN 12426: 2000
BS EN 12427: 2000
BS EN 12444: 2001
BS EN 12428: 2000
BS EN 12489: 2000

All relevant certificates and test reports are included in the technical construction file.

Signature:-

Name: - P A Whyatt
Managing Director