



FIRE RESISTANT ROLLER SHUTTER DOOR

OPERATING & MAINTENANCE INSTRUCTIONS

OPERATING INSTRUCTIONS FOR FIRE RESISTING POWERED ROLLER SHUTTERS

OPENING AND CLOSING THE SHUTTER IS EFFECTED BY A PUSH BUTTON CONTROL STARTER, FITTED INSIDE THE OPENING AT A SAFE POSITION WHERE THE OPERATOR CAN SEE THE SHUTTER THROUGHOUT ITS TRAVEL. THE STARTER IS FITTED WITH THREE PUSH BUTTON CONTROLS, USING STANDARD OPERATIONAL COLOURS.

GREEN for OPEN

GREEN for CLOSE

RED for STOP

BEFORE OPERATING THE SHUTTER SWITCH THE ISOLATOR ON.**TO OPEN THE SHUTTER**

PUSH THE GREEN BUTTON MARKED "OPEN" AND THE SHUTTER WILL BE RAISED UNTIL IT IS FULLY OPENED WHERE IT WILL STOP AUTOMATICALLY BY MEANS OF AN OPEN LIMIT SWITCH.

TO CLOSE THE SHUTTER

PUSH THE GREEN BUTTON MARKED "CLOSE" AND MAINTAIN PRESSURE ON THE BUTTON UNTIL THE SHUTTER IS FULLY CLOSED WHERE IT WILL STOP AUTOMATICALLY BY MEANS OF A CLOSE LIMIT SWITCH.

THE CONTROL IS CONSTANT, DEAD MAN OR HOLD TO RUN TYPE AND IF RELEASED WHILST THE SHUTTER IS IN DOWNWARD MOTION, WILL STOP THE SHUTTER. MAINTAIN PRESSURE ON THE BUTTON TO CONTINUE OPERATION.

TO STOP THE SHUTTER

RELEASE PRESSURE ON THE CLOSE BUTTON IF NO SAFTEY FEATURE OR PRESS THE RED STOP BUTTON.

TO OPERATE THE SHUTTER BY HAND IN CASE OF ELECTRICAL FAILURE

SWITCH OFF AT THE MAINS ISOLATOR.

TO CLOSE THE SHUTTER

RELEASE THE BRAKE BY MEANS OF THE PULL CORD DIS-ENGAGE DEVISE TO ALLOW THE SHUTTER TO TRAVEL DOWN UNDER GRAVITY IN "CONTROLLED DESCENT" MODE. ONCE CLOSED THE BRAKE WILL RETURN TO ITS ORIGINAL POSITION BY MEANS OF A SPRING LOADED MECHANISM.

TO OPEN THE SHUTTER

PULL THE HAUL CHAIN IN THE APPROPRIATE DIRECTION (IT CAN ONLY BE WOUND ONE WAY) TO OPEN THE SHUTTER; ONCE THE SHUTTER IS FULLY OPEN STOP PULLING THE CHAIN.

SOLENOID RELEASE AUTOMATIC / MANUAL

UPON RECEIPT OF A SIGNAL (24 VOLT D.C. - 0.5 AMPS) FROM THE FIRE ALARM SYSTEM THE "PUSH BOLT" WILL "THROW" & RELEASE BRAKE ALLOWING THE SHUTTER TO TRAVEL DOWN UNDER GRAVITY IN "CONTROLLED DESCENT" MODE.

NOTE !

BEFORE SOLENOID CAN BE RE-SET THE SIGNAL FROM THE FIRE ALARM TO THE SOLENOID MUST BE STOPPED.

RE-SETTING THE SOLENOID***AUTO***

PRESS THE OPEN BUTTON AND THE SHUTTER WILL TRAVEL TO ITS FULLY OPEN POSITION STOP & RE-SET.

MANUAL

PULL THE HAUL CHAIN IN THE APPROPRIATE DIRECTION TO RAISE THE SHUTTER, OPEN FULLY & PULL THE "RE-SET" CABLE.

TO TEST EITHER OF THE ABOVE SET THE DOOR IN THE FULLY OPEN POSITION. PULL THE TEST CABLE & THE "PUSH BOLT" WILL "THROW", WHICH IN TURN WILL RELEASE THE BRAKE ALLOWING THE SHUTTER TO TRAVEL DOWN UNDER GRAVITY IN "CONTROLLED DESCENT" MODE. RE-SET AS ABOVE.

FIRE DOOR INTERFACE PANEL(if fitted)

THIS UNIT IS AN AUDIO / VISUAL UNIT WITH A BUILT IN TIMED DELAY. THIS UNIT IS BASICALLY A TRANSLATOR FROM THE FIRE ALARM TO THE OPERATOR.

i.e. WHEN THE FIRE ALARM IS ACTIVATED IT SENDS A SIGNAL TO THE F.D.I. PANEL. THE PANEL WILL THEN START TO FLASH AND AN AUDIO TONE WILL START. IT WILL HOLD THE SIGNAL UNTIL THE TIMER HAS RUN DOWN AND IT WILL THEN ACTIVATE THE OPERATOR.

TO OPERATE THE F.D.I. PANEL 1.7 Amps OF POWER IS REQUIRED. IF THE BATTERIES IN THE FIRE ALARM HAVE THIS POWER THE F.D.I. CAN BE WIRED DIRECTLY TO THE FIRE ALARM.

DO NOT PLACE HANDS ON THE CHANNEL GUIDES

DO NOT INSERT FINGERS INTO THE CHANNEL GUIDES

- DO NOT LEAN OBSTACLES AGAINST THE SHUTTER CURTAIN**
- DO NOT STAND UNDER THE CURTAIN**
- DO NOT OPERATE THE SHUTTER IF PERSONNEL ARE PASSING THROUGH THE OPENING**
- DO NOT OPERATE THE SHUTTER IF ANYTHING IS OBSTRUCTING THE OPENING**
- DO NOT FIT ADDITIONAL LOCKING DEVICES WITHOUT CONSULTING THE MANUFACTURER**
- DO NOT OPERATE A DAMAGED SHUTTER**
- DO NOT OPERATE THE SHUTTER IF WORK IS BEING CARRIED OUT ON THE SHUTTER**
- ONLY OPERATE THE SHUTTER BY USING THE OPENING & CLOSING EQUIPMENT SUPPLIED WITH THE SHUTTER**
- DO KEEP CLEAR, ONLY STAND IN A POSITION WHICH ENABLES THE SHUTTER TO BE KEPT IN VIEW & EASILY OPERATED**
- DO KEEP THE OPENING CLEAR OF OBSTRUCTIONS**
- DO KEEP CLEAR OF ANY MOVING PARTS IF THE SHUTTER IS OPERATED WITH ANY COVERS REMOVED.**
- DO TEST THE SHUTTER & ITS EQUIPMENT ON A REGULAR BASIS**

IF THE SHUTTER IS DAMAGED, KEEP IT CLOSED TO PROTECT THE OPENING OR, IF IT CANNOT BE CLOSED, SECURE IT IN THE POSITION WITH A CLAMP OR PROP, ENSURING THAT THE PROP CANNOT BE REMOVED OR KNOCKED OVER. SWITCH OFF THE POWER AT THE ISOLATOR, PLACE A WARNING SIGN ON THE SHUTTER TO DETER PERSONNEL FROM USING THE SHUTTER AND REPORT ITS MALFUNCTION SO REPAIRS CAN BE CARRIED OUT.

MAINTENANCE INSTRUCTIONS FOR POWERED ROLLER SHUTTERS

TAPE OFF THE AREA USING MULTI COLOURED STRIPED SAFETY TAPES, AND PLACE WARNING SIGNS ON THE INSIDE AND OUTSIDE OF THE SHUTTER OPENING WARNING PERSONNEL THAT MAINTENANCE ENGINEERS ARE AT WORK ON THE SHUTTER, A CLEAR INDICATION OF A HAZARD AREA. DO NOT LET PERSONNEL USE THE OPENING, POINT OUT OTHER OPENINGS WHICH ARE IN USE.

ENSURE THAT WITHIN A WORKING VICINITY OF THE SHUTTER: -

- A) ANY MACHINERY OR EQUIPMENT IS MADE SAFE
- B) ANY OVERHEAD POWER LINES ARE MADE SAFE
- C) ANY LADDERS, TRESTLES OR SCAFFOLDING TO BE USED ARE ERECTED AND SECURED AS PER MANUFACTURURES INSTRUCTIONS
- D) THAT THE HEALTH, SAFETY, AND WELFARE OF PERSONNEL ARE CONSIDERED AT ALL TIMES

FOR ADDITIONAL SAFETY SECURE THE BOTTOM RAIL OF THE SHUTTER TO THE CHANNEL GUIDES BY A SUITABLE CLAMP, OR ALTERNATIVELY, SECURE A PROP UNDERNEATH THE CURTAIN BETWEEN THE BOTTOM AND THE FLOOR ENSURING THAT THE PROP CANNOT BE REMOVED OR KNOCKED OVER.

BE PARTICULARLY CAREFUL TO ENSURE THAT:

- A) THE METHOD IS SAFE
- B) THE METHOD IS SECURE
- C) THE METHOD DOES NOT DAMAGE THE SHUTTER

MAINTENANCE OF THE SHUTTERS - MECHANICAL

BEFORE CARRYING OUT THE CHECKS ON THE POINTS LISTED, WHERE POSSIBLE CLEAQN OFF ALL OLD DIRT AND GREASE FROM THE SHUTTER.

THE CHECKLIST GIVES ITEMS WHICH SHOULD BE CHECKED AT LEAST EVERY SIX MONTHS OR AS SPECIFIED WHEN SHUTTER IS SUBJECT TO GENERAL CONDITIONS AND USE. IF THE SHUTTER IS USED MORE FREQUENTLY i.e. CONTINUOUSLY THROUGHOUT THE WORKING DAY THEN WE ***STRONGLY*** RECOMMEND THAT THE MAINTENANCE IS CARRIED OUT MORE OFTEN TO ENSURE THAT THE SHUTTER IS WELL MAINTAINED, AND THUS REDUCE UNECESSARY WEAR & TEAR.

WHEN CHECKING THE COMPONENT PARTS OF THE SHUTTER AND IN PARTICULAR TIGHTENING OF ANY RELEVANT NUTS OR BOLTS, ALWAYS TAKE CARE THAT THE COMPONENT PARTS ARE NOT DAMAGED AND THAT FIXING BOLTS ARE NOT SHEARED.

MAINTENANCE CHECKLIST

ENDPLATES EVERY SIX MONTHS CHECK THE FIXING OF THE PLATE TO THE GUIDE ANGLES. ENSURE NO MOVEMENT. SECURE BOLTS AS NECESSARY.

GUIDE ANGLES EVERY SIX MONTHS CHECK THE FIXINGS OF THE ANGLES TO THE OPENING JAMBS. ENSURE NO MOVEMENT. SECURE BOLTS AS NECESSARY.

GUIDES EVERY SIX MONTHS LOOK FOR EXCESSIVE WEAR, DISTORTION, ESPECIALLY THE CURVED SECTION AT THE TOP OF THE GUIDE WHERE THIS COULD CAUSE DAMAGE TO THE LATHS AS THEY ENTER THE GUIDE. CHECK FOR DAMAGE TO THE MOUTH OF THE GUIDE WHICH COULD CAUSE THE CURTAIN RUB. APPLY GREASE TO THE INSIDE FACE OF THE GUIDES.

CURTAIN EVERY MONTH LOOK FOR DAMAGE CAUSED BY VEHICLE IMPACT. AN INDENTATION OR DAMAGED LATHS CAN CAUSE INCORRECT OPERATION OF THE CURTAIN, ESPECIALLY WHEN THE SHUTTER IS BEING OPENED AND THE CURTAIN COILS UP. IT CAN ALSO CAUSE THE ENDLOCKS TO RUB IN THE SIDE GUIDES CREATING FURTHER DAMAGE.

ENDLOCKS EVERY SIX MONTHS LOOK FOR DISTORTION, BREAKAGES, LOOSE OR MISSING ONES AND EXCESSIVE WEAR. TO INSPECT MAY REQUIRE EXAMINATION AT THE HEAD AS THE CURTAIN COILS ROUND THE BARREL. (KEEP HANDS CLEAR)

BARREL SHAFT EVERY SIX MONTHS CHECK FOR WEAR & SECURITY. TIGHTEN BEARINGS FIXING BOLTS. ENSURE THAT THE SHAFT IS CORRECTLY ALIGNED AND CORRECTLY RETAINED. CHECK FOR WEAR IN SHAFT. CLEAN OFF OLD GREASE AND APPLY NEW COATING

OPERATOR EVERY SIX MONTHS CHECK THE MOUNTINGS. SECURE BOLTS AS NECESSARY. CHECK GEARS FOR EXCESSIVE WEAR.

LIMIT SWITCH EVERY MONTH CHECK THAT THEY ARE SECURE ON THEIR SPROCKETS RESPECTIVE SHAFTS. CLEAN OFF OLD OIL & DIRT. CHECK TEETH & CHAIN FOR WEAR AND CHECK CHAIN TENSION. APPLY LIGHT GEAR OIL TO CHAIN.

RELEASE EVERY MONTH TEST SOLENOID / FUSIBLE LINK MECHANISMS

MAJOR OVERHAUL

REMOVE CURTAIN FROM BARREL. REMOVE BARREL AND INSPECT COMPLETE ASSEMBLY, REPLACE PARTS AS NECESSARY.

MAINTENANCE INSTRUCTIONS - ELECTRICAL

IT IS RECOMMDED THAT ANY ELECTRICAL CHECKS SHOULD ONLY BE CARRIED OUT BY QUALIFIED ELECTRICIANS WHO ARE FULLY CONVERSANT WITH POWER OPERATED SHUTTERS, THEIR OPERATION, CONTROLS AND SAFETY FEATURES, YOU SHOULD CONTACT INDEVENT TO CARRY OUT SUCH WORK.

GENERAL SHUTTER CARE

KEEP THE SHUTTER AS CLEAN AS POSSIBLE, WASH THE SHUTTER WITH A SOLUTION OF MILD DETERGENT IN WATER, RINSE, AND WIPE DRY.

PAINT THE SIDE GUIDES, CURTAIN, BOTTOM RAIL, ENDPLATES AND METAL WORK, AT LEAST EVERY THREE YEARS PAYING PARTICULAR ATTENTION TO THE LOWER LATHS AND THOSE PARTS NEAR TO THE GROUND.

KEEP THE SHUTTER WELL MAINTAINED AND FUNCTIONING CORRECTLY, REPLACE COMPONENT PARTS WITH BONA FIDE SPARES.

SPARES & REPAIRS

IN THE EVENT OF A BREAKAGE OR DAMAGE TO A SHUTTER, IT MAY NECESSITATE REPAIR OR REPLACEMENT OF PARTS, IN EITHER CASE WE RECOMMEND THAT THE WORK BE CARRIED OUT BY A COMPETENT DOOR ENGINEER.

SPARES, REPAIRS, AND MAINTENANCE WORK CAN BE PROVIDED BY YOUR SUPPLIER.

If the shutter is damaged, keep it closed to protect the opening or, if it cannot be closed, secure it in the position with a clamp or prop, ensuring that the prop cannot be removed or knocked over. Switch off the power at the isolator, place a warning sign on the shutter to deter personnel from using the shutter and report its malfunction so repairs can be carried out.

UNDER NO CIRCUMSTANCES SHOULD INEXPERIENCED PERSONNEL UNDERTAKE ANY WORK TO INDUSTRIAL DOORS.

FOR FULL SERVICE OR ANY QUESTIONS THEN PLEASE CONTACT ANGLIA DOOR SYSTEMS ON 0800 1444338.