

INSTRUCTIONS

After the door operator has been mounted, the emergency hand chain and the controlled descent release mechanism can be adjusted to suit the angle of installation.

Loosen the four brake housing securing screws and rotate the housing until the emergency hand chain falls vertically from the ports. Re-tighten the screws to secure the brake housing.

EMERGENCY HAND CHAIN OPERATION

The emergency hand chain should only be used for opening the shutter. The door can be closed by pulling down the brake release lever and allowing the curtain to close under controlled descent. The rate of descent is controlled by an integral centrifugal speed governor.

The hand chain is prevented from closing the shutter by a reversible ratchet mounted on the top of the brake housing unit.

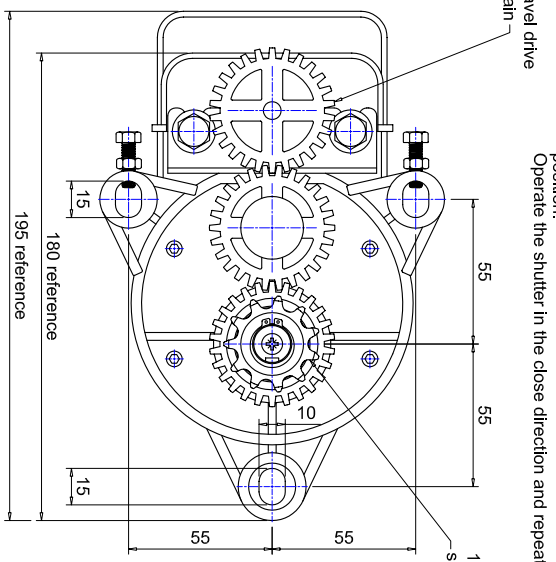
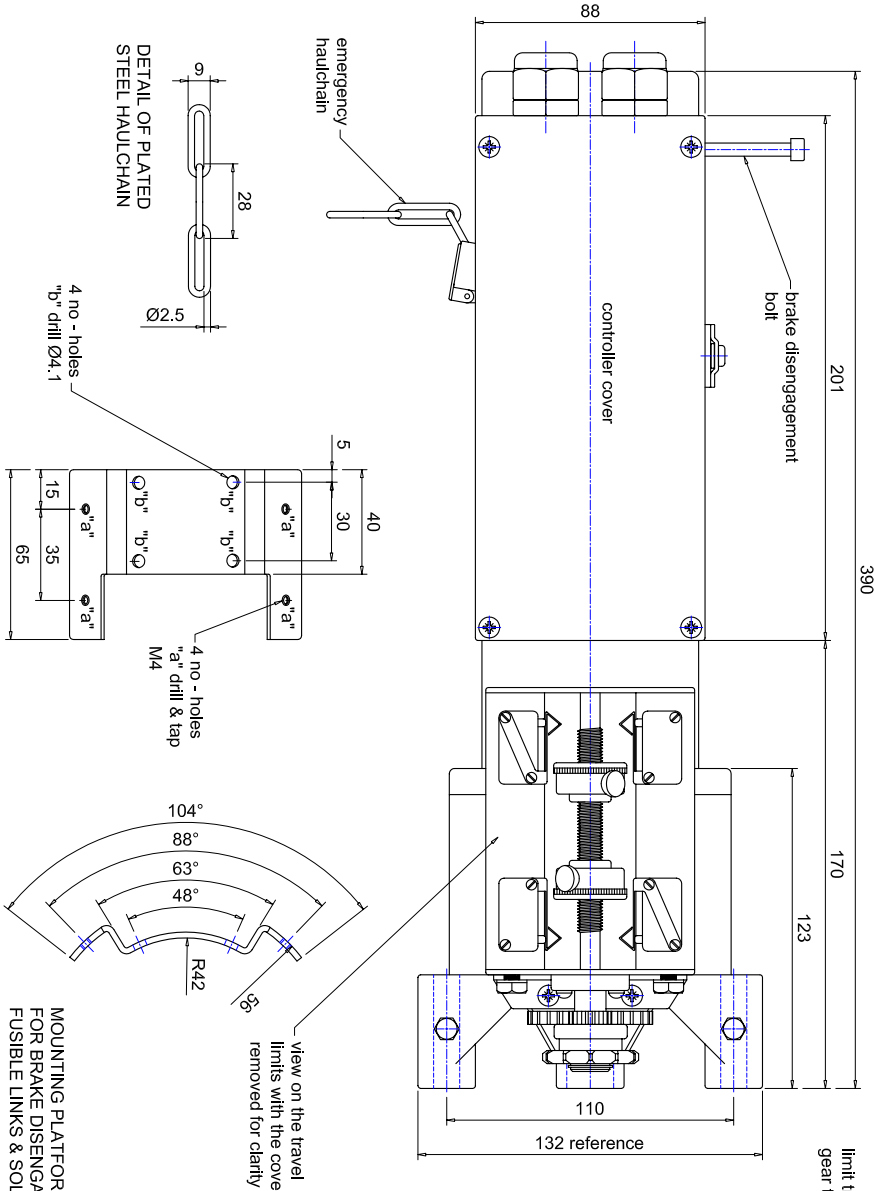
The ratchet must be set to suit site conditions. i.e. left hand or right hand mounting position. The direction of the ratchet operation is changed by removing the two ratchet retaining screws and revolving ratchet mechanism through 180 degrees.

SETTING LIMIT SWITCHES

Connect starter in accordance with starter instructions.

Set shutter in mid-travel position. Slacken knurled limit thumb screws and wind them both towards the centre of the screwed limit travel rod. Re-tighten both thumb screws which will allow maximum shutter travel in both directions. Run the door just short of the fully opening position and adjust the limit switch cam until it operates the open limit switch. Test run the shutter by closing the door by approximately one metre and checking the operation of the open limit switch. Adjust the cam to obtain final closing position.

Operate the shutter in the close direction and repeat the setting procedure.



Reference	Specification
JM 150	
Voltage	220-240volts
Phases	single (50Hz)
Kilowatts	0.09Kw
Full load current	1.8 amps
Rating	10 mils
Gearbox shaft dia	Ø15mm
Gearbox output speed	34 rpm
Unit output torque	20Nm
Sprocket details	11 teeth
Roller chain details	06B-1 (3/8" pitch)

Rev	
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Title	General arrangement of JM150 single phase fire shutter drive with PCB based controller.
Date	17/10/2005
Dwn by	Ron Swift
Chk'd by	C Foster
Dwg #	FRSD/JM150/GA/10053/001