



SG_610

Electric Locking Surveyor Guide



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Company Name: Your Name

Telephone Number Fax Number

QUESTIONS TO ASK TO HELP CLARIFY WHAT ACCESS CONTROL LOCKING DEVICE COULD BE FITTED

Door and frame material

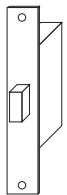
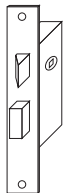
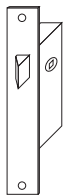
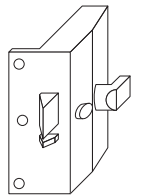
- Timber Timber doors and frames can have a very wide variety of locking devices fitted. Make sure that the lock fitted has a latch action ie. the lock 'latches closed' when the door is closed without requiring a key or handle to be operated. If the lock release is to be AC powered (ie. door entry applications use 615110. If DC powered the choice is much wider.
Lock releases vary in price from under £10 (615120 12v ac or 615220 12v dc) to around £100. Trimec (TS2001 or TS112B), GEM (ER310) offer the best options for good quality releases.
- Aluminium Aluminium doors and frames have a special range of locks and releases designed specifically for them. Normally the door is fitted with a 'hook bolt' which is replaced with a latch lock. The most popular type has a backset of 31/32" (stock code ML4001003 for single or double door). You will also need a handle and a release (ER310S for single door with extension lip ERLIP25 or ERLIP50 for double door).
- Glass If the frame is ALL glass (armour plate ie. shop front) then you may fit a magnetic lock with a special glass door fitting kit. The gap between the door and frame should be measured to make sure that the glass fitting kit will suit. Search on www.doentrydirect.com for 'Glass Door'
- Steel call us for assistance
- Other call us for assistance

Lock detail

Is there a lock fitted Y__ N__

Do you want / need to fit a mechanical lock?

- Rim night Latch Rim latch locks are easily released using a budget release. The popular locks eg. Yale 89. Care should be taken not to choose a lock which can be double locked, thus preventing the bolt from being operated by the action of opening the door. Use 615110 (12v ac), 615112 (12v dc), ER350 (GEM) or TS151 (Trimec)
- Mortise night latch These are the most popular lock for electric releases. Models sold most often are Union 2332 and Yale 36003. If the lock release is to be AC powered (ie. door entry applications use 615110. If DC powered the choice is much wider. Lock releases vary in price from under £10 (615120 12v ac or 615220 12v dc) to around £100. Trimec (TS2001 or TS112B), GEM (ER310L) offer the best options for good quality releases.
- Mortise Sash Lock Sash locks are handed, also measure dimension between two bolts. There are two styles UK and European.
- Mortise Dead Bolt It is possible to release a mortise deadlock, but it is a flawed solution. However if that is the only option use GEM (PGS701A or PGS702A)
- Hook Bolt See note above regarding aluminium doors
- Other



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Door Detail

Single Leaf (door)___

Double Leaf (door)___

Is one leaf (door) fixed? Y__ N__

Are the doors rebated? N__ Y__

State depth of rebate 13mm__ 19mm__ 25mm__ Other __

Do you require locking on both doors? Y__ N__

If both doors are to be electrically released make sure that they are not rebated (otherwise they will not close properly). The locking will have to be at the top of the door, therefore you are probably looking at fitting either a magnetic lock or a solenoid bolt. Rather than buying 2 magnetic locks you can use a double magnet (either 600 lb or 1200 lb holding) or a housing with 2 flush magnets (neater)

Is the door a Fire Exit Door?

Y__ N__

If YES the device should be FAIL OPEN ie. power to lock. See Power Requirements below.

Is the door an external or security door?

Y__ N__

If YES the device should have a holding force of 1000kg plus

Door swing Type

Single swing Y__

Through Swing Y__

Decide whether the door(s) is to swing through. If you want the door to swing through the electric locking will be more complicated and therefore more expensive. The only real option here is to use a shear lock. We would recommend the EMVSAM because it aligns itself automatically.

Does the door swing outward

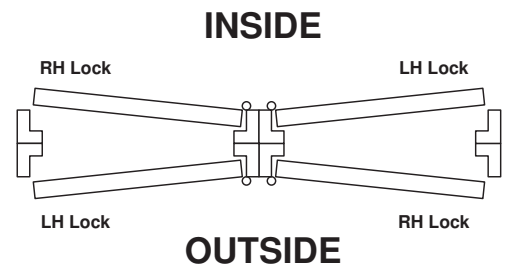
Y__ N__

Are door closers fitted?

Y__ N__

Are they required

Y__ N__



Power Requirements

Fail Open

Fail Locked

Power to Lock

Power to Unlock

12v ac

Normally only used with Door entry telephone systems

12v dc

12v dc

Most access control systems use 12v dc

24v dc

24v dc

The least used voltage. 24v is most often used when interfacing with Fire Alarm systems

Most devices are 12v. If you want the doors to be unlocked in an emergency fit fail open devices (ie magnetic locks)

For health and safety reasons we recommend the use of architectural housings with electro-magnetic locks. These housings fill the width of the door opening and make it less likely that anyone walking through the door will hit their head on the magnet. They also look better.

