

APPLICATION NOTES

Industrial & Commercial Door Controls

The following types of Door Controller are offered.



TYPE A DEAD MAN CONTROLLER DC-3A

Supplied as standard with all electric doors and grills, unless another type specified.

Comprises a box containing UP and DOWN contactors, terminals for supply, motor and limit switch.

UP and DOWN buttons on box drive door as long as button pressed – door will stop when you take finger off button (“dead Man control”) or when door hits limit.



TYPE M MAINTAINED CONTROLLER DC-3M

Similar to Type A, but when UP button pressed, door will go all the way up, until stopped by up limit. (“Maintained”)

DOWN button operates same as Type A, ie. “dead man”



AUTO LOGIC CONTROLLER AL-2

Used on Car Parks, Hospitals, Fire Stations, Police, Courts, Prisons, Apartment and Office Blocks and any site where logic control and interface with security or building management system is required.

The AL-2 Controller is full system capable for access controls and security devices.

- Multi-mode – Toggle, Auto Close and Security Close selected by switch on PCB.
- Screwdriver set timers - No programming required!
- Over Run timer – Auto or Manual - set to stop door if limits do not operate.
- Integral lockable isolator - Reduces installed cost, and improves safety.
- Electronic overload relay – adjustable from 0.5 to 6.5 Amps.
- Beam status contacts. Beam can be used for other functions.
- The multi Mode feature enables Mode to be changed after installation, for example, if the tenant/owner wants to change from toggle (UP/DOWN) mode to Auto Close, it only involves changing the dip switch on PCB (printed circuit board)
- Both Auto Close and Manual Run timers adjusted by screwdriver – no programming required!
- Security Close feature is new – door closes immediately after vehicle passes beam – stops “tailgating” and improves security.
- Remotes and Accessory connections are extra low voltage 24VAC.
- Manual mode for service, setting limits or emergency operation.
- AL2-VSD features variable speed – soft start/soft stop.

AL-2 is “future proof” as even if all features are not initially specified, they are available later when the consultant or owner decides on additional requirements.

Avoids arguments with architects, consultants, contractors and clients!



AUTO DOOR CONTROLLER RR-3

This is the latest version of “Radio Remote Controller” but now features:

- Multi-mode – Toggle, Auto Close and Security Close selected by switch on PCB.
- Screwdriver set timers - No programming required!
- Over Run timer – Auto or Manual - set to stop door if limits do not operate.
- Electronic overload relay – adjustable from 0.5 to 6.5 Amps.
- The multi Mode feature enables Mode to be changed after installation, for

example, if the tenant/owner wants to change from toggle (UP/DOWN) mode to Auto Close, it only involves changing the dip switch on PCB (printed circuit board)

- Both Auto Close and Manual Run timers adjusted by screwdriver – no programming required!
- Security Close feature is new – door closes immediately after vehicle passes beam – stops “tailgating” and improves security.
- Remotes and Accessory connections are extra low voltage 24VAC.

RR-3 is not a low cost alternative to AL-2

It **does not** have inputs for security and building management systems, and **does not** have lockable isolator, manual mode or variable speed control.

RR-3 is a good low cost option for “stand alone” doors on factories, houses, and multiple storage facilities etc and control can be by radio remote, prox, swipe card, ground loop and pushbutton.

Fitting of beam is recommended.



RADIO REMOTE KIT RRI-1

Optional Radio Remote Interface box, for retrofit or new installation with manual starter, shutter motor or tube motor.

With inputs for Receiver and/or safety beam, loop detector, key pad, swipe card or prox.

Provides UP DOWN and lockout STOP functions.

Available as kit, comprising Interface box, receiver and one remote, or separately.

Enables low cost remote control of door.

Fitting of safety beam, to prevent door closing on obstruction is recommended.

Note: Auto Close function is not provided

ACCESSORIES



Radio Remote Control:

Receiver is supplied as a separate unit with antenna. This enables the receiver to be located higher or closer to the door for best radio reception.

Remotes are available in two types, “key-ring” and “visor”. While visor are larger, they have better range and a larger battery.

Key-ring are 1 button or 2 button. The 2 button unit can operate 2 doors.

Visor are 1, 2 or 3 button.



Safety Beam

Should always be supplied and fitted on Automatic Doors, to prevent door closing on persons or property.

“Through Beam” type are more reliable, but installers may prefer “Reflective” type as only one unit has to be wired – but must be carefully aligned, and are subject to spurious reflections, and other problems – not recommended.



Loop Detector

Loop detector can be supplied with controller, the supply and installation of ground loop is not included. There are specialist contactors who have the special loop wire, concrete cutting machine and sealing epoxy, and do this work for security companies.

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