

# RR-3 RADIO REMOTE CONTROLLER



## Complete Stand Alone, Multi-Mode Automatic Controller

- Recommended for use in factories, warehouses, storage facilities, etc.
- Inputs for Receiver, key switch, safety beams, loop detector, keypad and card reader
- Toggle (remote control), Auto Close or Security Close Mode Functions
- Available as a kit comprising of Controller, Receiver and Transmitter
- Enables cost effective remote control of door
- Available in **Single** or **3 Phase**
- Electronic overload relay fitted
- Fitting of Safety Beams to prevent the door closing on obstruction is recommended
- **Motor Run Timer (MRT)** is provided to stop door if the limit switch does not operate. On operation of the MRT the door will shut down and the next impulse will operate the door again. MRT has screwdriver adjustment – no programming required



TYPE	MAX RATING	WIRING DIAGRAM
1 phase	0.75kW	1096
3 phase	2.2kW	1095

## OPERATION

The RR-3 can be configured to three different mode functions, either on installation or at a later stage. Modes are Toggle (remote control), Auto Close and Security Close. The mode can be easily changed after installation by screwdriver adjustment of the dip switch on the PCB.

**TOGGLE** (similar to a domestic garage operator with radio remotes)

The door will open on impulse and stop on reaching the UP limit.

Next impulse will close the door and stop on reaching the DOWN limit.

If impulse is received while the door is opening (before reaching UP limit) the door will stop until a further impulse is received which will close the door.

If impulse is received while the door is closing (before reaching DOWN limit) the door will pause and then open fully.

If the safety beam is broken while the door is closing, the door will pause and then open fully.



## RR-3 NOW WITH EMERGENCY STOP BUTTON (E-STOP)

- For safer operation of the RR-3 radio remote controller
- Once depressed power to the door is cut until the E-STOP button is manually released
- Radio remote functions are also disabled

## AUTO CLOSE

The door will open on impulse and then close after a set time delay (3-60 seconds).

Timer will start when the UP limit operates, i.e. door is fully open.

If the safety beam is broken while the door is closing the door will pause and then open fully.

If input contact is maintained the door will open and remain open until input contact is opened.

## SECURITY CLOSE (stops tailgating and improves security)

The door will open on impulse and then close 1.5 seconds after a vehicle passes the safety beams even if the door is not completely open.

If the door is opened and no vehicle passes the safety beams, *Auto Close* will close the door.

If input contact is maintained the door will open and remain open until input contact is opened.

**Warning: Security Close may not be suitable if vehicles towing a trailer are employed!**

## FEATURES

- On initial power up or restore the controller will default to DOWN unless the safety beam is broken.
- Door is operated by impulse from input contact and is stopped by the limit switch at UP or DOWN position.
- The RR-3 is fitted with reversal timers to ensure a small delay (1.5 seconds) before reversing in case the door is reversed before reaching the limit. This is to prevent mechanical damage to the gearbox or chain.
- Pre-wired terminals are provided for mains power supply, motor, limit switch and other optional extras including receiver, key switch, safety beams, loop detector, keypad and card reader
- Electronic overload relay – adjustable from 0.5A to 6.5A
- Remotes and accessory connections are extra low voltage 24VAC

### Note:

The RR-3 controller **does not** have inputs for security and building management systems, lockable isolator, manual mode or variable speed control. If these features are required the AL-2 Auto Logic controller should be selected.

## OPTIONAL EXTRAS

MODEL	DESCRIPTION
SB-3	Safety Beam set
LRX-1E	Radio Remote Receiver
LTX-1	1 Button Transmitter with Keychain
LTX-2	2 Button Transmitter with Keychain
LTX-1V	1 Button Transmitter with Visor
LTX-2V	2 Button Transmitter with Visor
LTX-3V	3 Button Transmitter with Visor
LRX-C5	Coax Antenna Kit
DSP-7	Plug and Play Loop Detector
DSP-10	Universal Loop Detector
W3-A	Hard Wired Keypad/Reader
LKP-1	Wireless Keypad
N1K	Battery backup UPS for 230V single phase 0.37kW motor
N2K	Battery backup UPS for 230V single phase 0.75kW motor
N3K	Battery backup UPS for 230V single phase 1.1kW motor
KS-HDF	Flush mount Key Switch
KS-HD	Heavy Duty Enclosed Key Switch
KS-LD	Light Duty Enclosed Key Switch

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