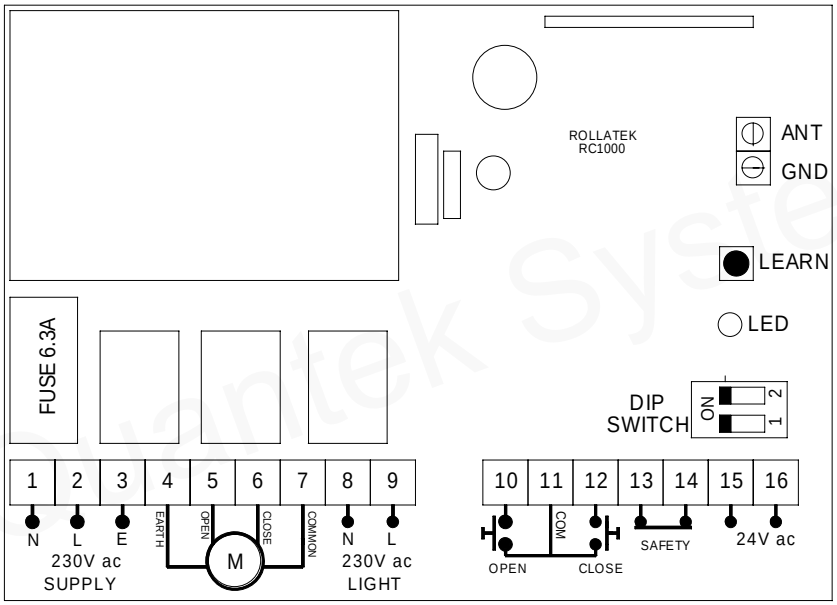
ROLLER DOOR REMOTE CONTROL INSTALLATION INSTRUCTIONS
MODEL No.RC1000



RC1000 CONNECTION DETAILS		
1	Neutral	230V ac Supply
2	Live	
3	Earth	
4	Earth	Motor 230V ac 500 Watts max
5	Open	
6	Close	
7	Common	
8	Neutral	Courtesy light 230V ac 100 Watts max
9	Live	
10	Open	Normally open (N.O) Open and Close push button or key switch connections
11	Common	
12	Close	
13	Safety	Photoelectric safety beam normally closed (N.C)
14		
15	24V ac	Auxiliary power supply 24V ac 100mA max
16		

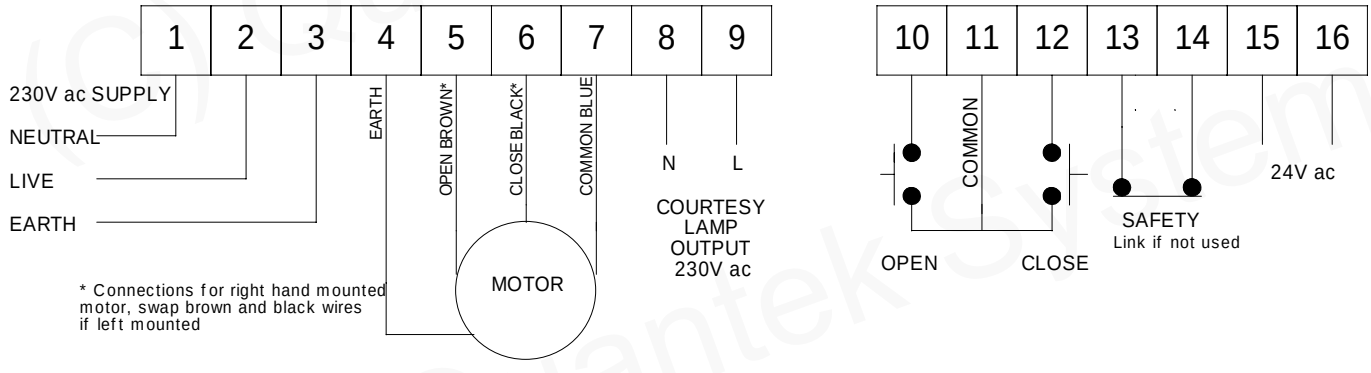
DIP SWITCH OPTIONS	
1 - Closing options	ON - Push to run, closes automatically with one press of the transmitter close or connected close button
	OFF - Hold to run (Deadman), closes only whilst the transmitter close or connected close button is pressed
2 - Safety closing options - activates when the safety input 13 & 14 changes from closed to open	ON - When activated the door will stop and reverse
	OFF - When activated the door will stop when the safety circuit is closed again after a delay of 2 seconds the door continues closing

Ensure that the 230V power supply is switched off before making any connections

TRANSMITTER PROGRAMMING
To program transmitters push and **release** the LEARN button, the LED indicator lights, **within 3 seconds**, push any of the transmitter buttons, the LED indicator flashes 3 times confirming it has memorised the transmitter, repeat for additional transmitters. If the transmitter has already been memorised the LED indicator flashes 6 times.

ERASING MEMORY – DELETING ALL LEARNT TRANSMITTER CODES
Push and **hold** the LEARN button for 5 seconds, the LED indicator flashes quickly, release the button

ROLLATEK RC1000 WIRING DIAGRAM



IR8000 Photocell	RC1000
Brown	15
Blue	16
White	13
Black	14

IR9000 Photocell	RC1000
1	15
2	16
3	13
5	14

Generic Photocell	RC1000
Power	15
Power	16
Common - COM	13
Normally closed - N.C	14

The Rollatek RC1000 is designed to control a 230V ac tubular motor with built in limit switches, control is by means of a radio transmitter or manual push buttons.
Installation should be undertaken by a competent person who should configure the RC1000 and additional safety devices to provide maximum safety to people and property.

⚠ **Ensure power is switched off before making any connections**

Refer to connection diagram overleaf

Fix the control unit to the wall, take care not to damage the circuit board. Wiring should be fed through the 2 cable glands provided

POWER SUPPLY – The 230V ac supply should be taken from a fused spur and connected to the 230V ac power supply terminals 1, 2 & 3

MOTOR – Connect the cable from the motor to terminals 4, 5, 6 and 7

COURTESY LIGHT – A 230V ac courtesy light can be connected to terminals 8 & 9, it will light for 60 seconds when the door is operated

TRANSMITTER PROGRAMMING - The 2 transmitters supplied have been programmed if you do not have additional transmitters you can skip this step, if you do have additional transmitter program them as follows
Push and **release** the LEARN button, the LED indicator lights, **within 3 seconds** push any of the transmitter buttons, the LED indicator flashes 3 times confirming it has memorised the transmitter, repeat for additional transmitters, the transmitters are now programmed and ready to use. If the transmitter has already been memorised the LED indicator flashes 6 times

DELETING LEARNT TRANSMITTER CODES - Push the LEARN button, keep pressed for 5 seconds, the LED flashes and then switches off, all codes are now deleted

⚠ **The following connection terminals should under no circumstances have any external voltages connected to them**

SAFETY – Terminals 13 & 14, for the connection of a photoelectric safety beam, active only during the closing cycle. This is a normally closed input and the terminals must be linked if not used.
Safety closing options DIP SWITCH 2
ON - When activated the door will stop and reverse
OFF - When activated the door will stop when the safety circuit is closed again after a delay of 2 seconds the door continues closing

24V SUPPLY – Terminals 15 & 16, a 24V ac power supply to power photocells etc, maximum load 100mA.

OPEN – Terminals 10 & 11, for connection of a normally open momentary push button or key switch
A control signal from a fire alarm may be connected to the OPEN terminals, this should be a volt free normally open relay contact, when the fire alarm is activated the door opens.

CLOSE – Terminals 11 & 12, for connection of a normally open momentary push button or key switch
Closing options DIP SWITCH 1
ON - Push to run, closes automatically with one press of the transmitter close or connected close button
OFF - Hold to run (Deadman), closes only whilst the transmitter close or connected close button is pressed
Important! The deadman close function must be selected when the safeguarding of the closing edge of the door cannot be guaranteed.

TROUBLESHOOTING

Door will not close when photocells are connected - Disconnect them and link the safety terminals 13 & 14, if the door now closes check for correct operation of the photocells

Door closes when the photocells are activated whilst the door is opening - Motor open and close connections are reversed

TECHNICAL DATA	
Power supply	230V ac
Motor power	500 Watts maximum
Radio frequency	868.35 MHz
Motor run time	60 seconds
Memory	32 transmitter codes
Motor fuse	6.3A delayed
Dimensions	158 x 118 x 77mm
Protection	IP56

EC DECLARATION OF CONFORMITY

CE

Quantek Systems Ltd
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Declares herewith that the products designated below complies with the relevant fundamental requirements of Article 3 of the R&TTE Directive 1999/5/EG, 98/37/CE Directive on Machines, 89/336/EEC Directive on electromagnetic compatibility and 73/23/EEC on low voltage and its subsequent amendment 93/68/EEC, insofar as the product is used correctly.

Product: RC1000, T868

Environment of use: Residential, commercial and light industry

Standards:
TelecommunicationsEN300 220-3 V1.3.1 2000. Electromagnetic Compatibility EN 301 489-3 V1.4.1 2002. Low Voltage EN607030 1:2000

Torquay, 20/06/09