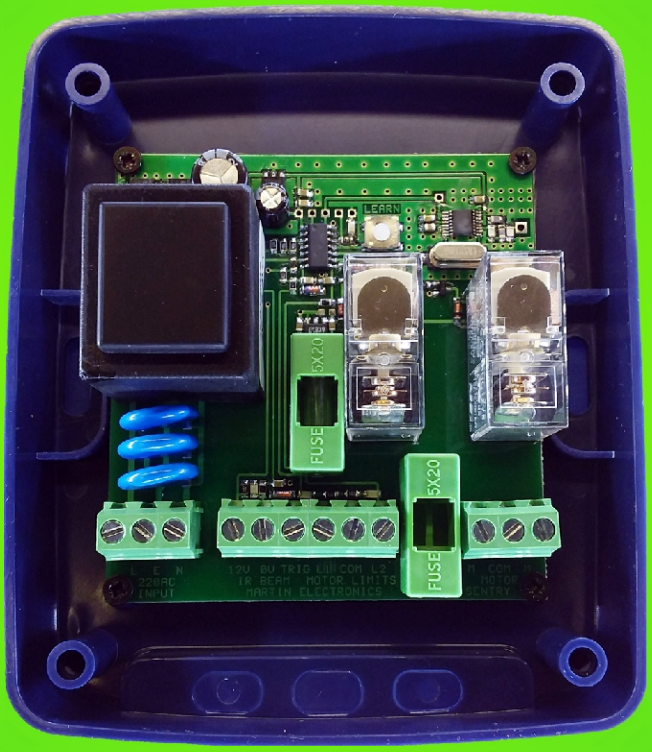
SENTRY™

AUTOMATICALLY THE BETTER CHOICE

www.martin-electronics.co.za

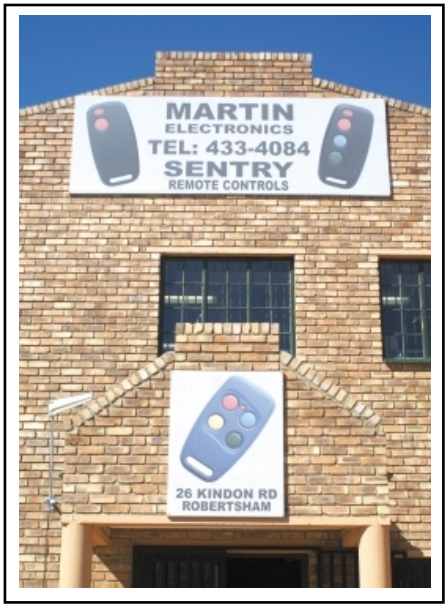
INDUSTRIAL ROLLER SHUTTER CONTROLLER



INSTALLATION AND USER MANUAL

SENTRY™
AUTOMATICALLY THE BETTER CHOICE

COMPANY PROFILE



Martin Electronics is a respected and well-known manufacturer of RF remote controls and security products and has established itself as the leader in RF remote controls for over 30 years.

Martin Electronics manufactures remote controls, receivers, infra-red beams, passive infra-red, garage door automation, gate automation, GSM communicators and alarm system products under the Sentry brand name.

Martin Electronics also manufactures products for OEM (Original Equipment Manufacturers) from conceptual design to finish product. Martin Electronics designs and manufactures not only its own products but also specialized and custom products for specific customers and provides support for these products.

Martin Electronics strives to give excellent service and backup for all their product, technical staff as well as our engineers are available to give answers to technical or installation queries.

The Sentry brand of equipment are installed countrywide and is available through a network of distributors in South Africa. Sentry products are also available in parts of Africa, The United Kingdom, The Netherlands, Switzerland and Australia.

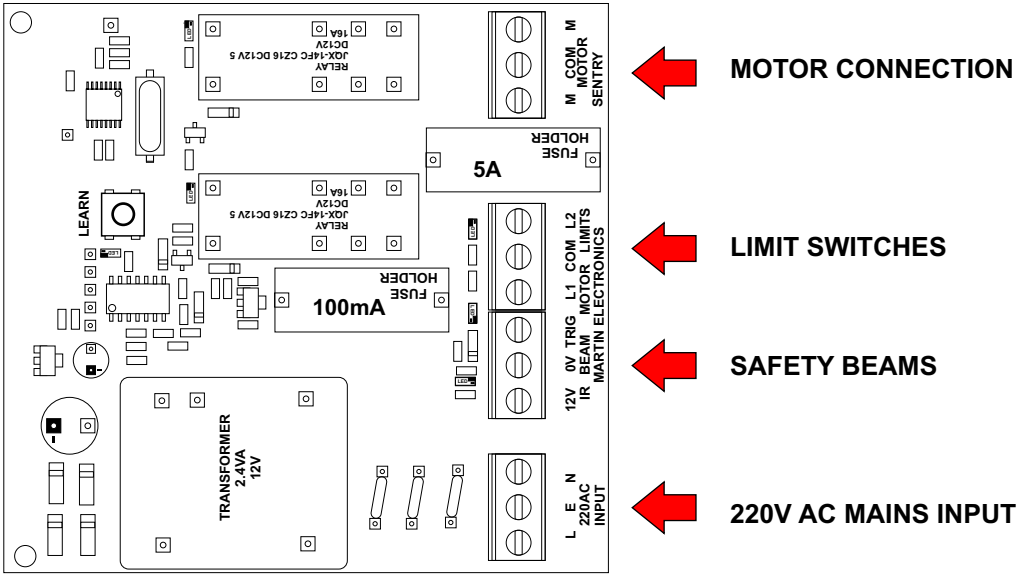
Further information is available on our website
www.martin-electronics.co.za

© Martin Electronics cc 03/2021
Martin Electronics cc. reserves the right to make changes to the products described in this manual without notice and without obligation of Martin Electronics cc to notify any persons of any such revisions or changes. Additionally, Martin Electronics cc. makes no representations or warranties with respect to this manual.
No part of this document may be copied, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, optical or photographic, without the express prior written consent Of Martin Electronics cc.

CONTENT

PAGE 1	COMPANY PROFILE
PAGE 2	CONTENT ELECTRICAL TERMINATIONS
PAGE 3	INFORMATION & SPECIFICATIONS
PAGE 4	ELECTRICAL CONNECTION
PAGE 5	ELECTRICAL CONNECTION OPTIONAL KEY SWITCH)
PAGE 6	PROGRAMMING AND USAGE
PAGE 7	ERASING THE TRANSMITTERS
PAGE 7	RANGE OF COMPATIBLE TRANSMITTERS
PAGE 8	OPERATING PROCEDURE
PAGE 9	CONTENTS IN BOX
PAGE 10	CONTACT DETAILS

ELECTRICAL TERMINATIONS



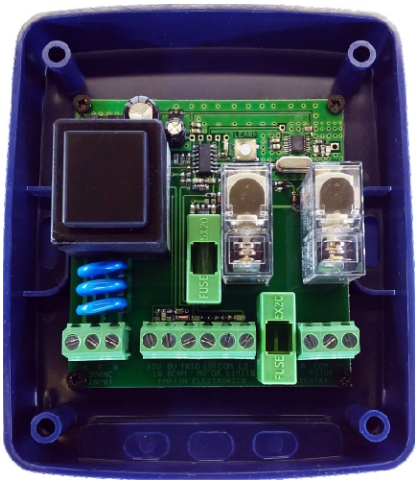
SENTRY™
AUTOMATICALLY THE BETTER CHOICE

REMOTE CONTROLS

INDUSTRIAL ROLLER SHUTTER CONTROLLER

The Sentry™ roller shutter remote control system is ideal for use with roller garage doors that use a tubular motor with built in limit switches. It also has connections for safety beams.

Built in 433.92MHz receiver with two pre-programmed 3 Button Sentry Code Hopping Transmitter included.



TECHNICAL SPECIFICATIONS

Transmission Frequency:	433.92MHz
Modulation Format:	ASK
Protocol:	Code Hopping
Power Source:	200 - 230V AC 50 - 60Hz 1.5VA
Relay Contacts:	10A @ 240V AC
Dimensions:	130 x 110 x 42mm
Mass:	> 300g
Operating Temperature Range:	-10°C to +55°C

DO NOT EXCEED RELAY RATINGS
8A max. (RESISTIVE LOADS)
5A max. (INDUCTIVE LOADS)

REGULATORY APPROVALS

ICASA
APPROVED
TA-2004/741
TA-2004/742

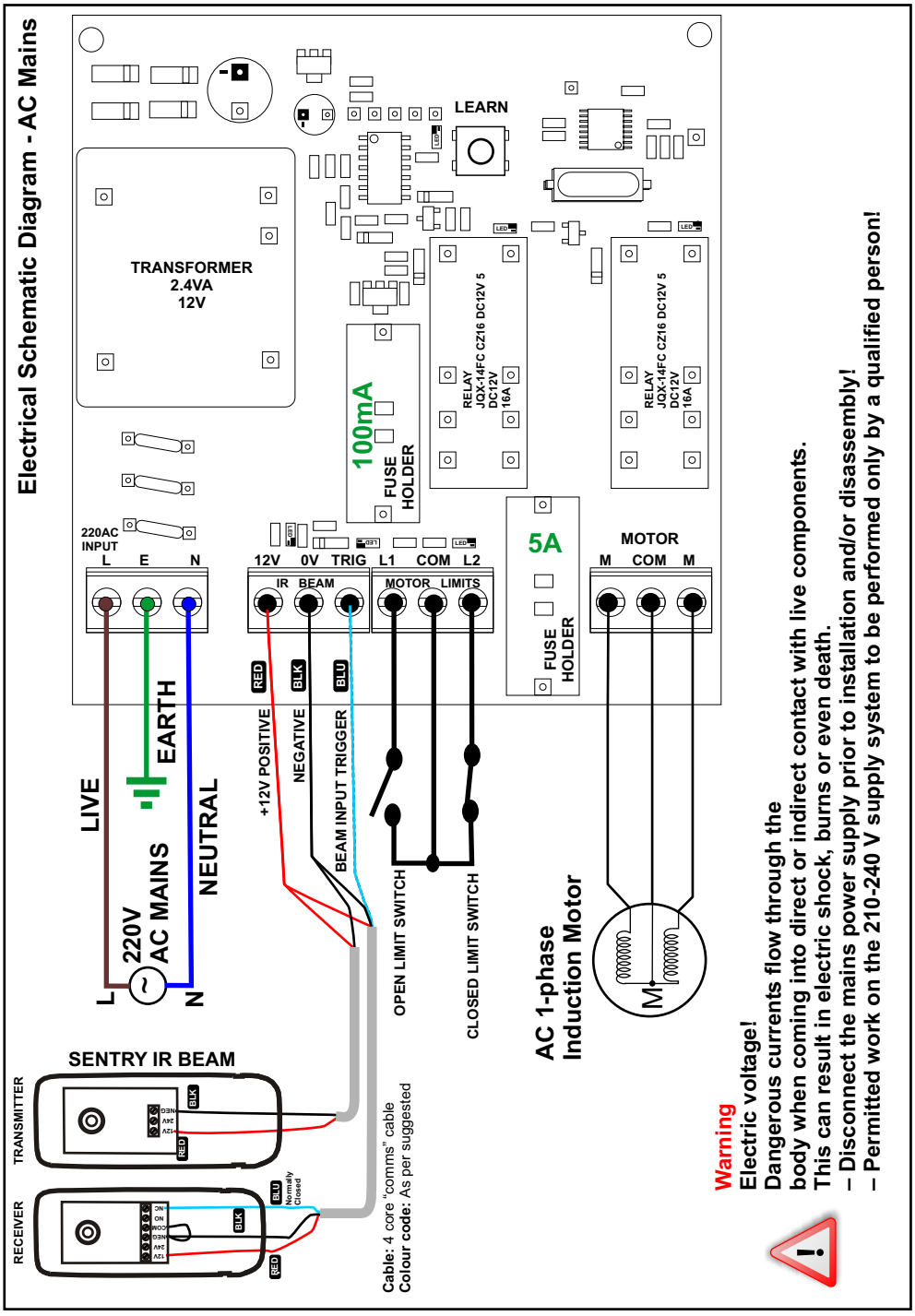
ZV 125

ETSI

ETSI 300 220-1
ETSI 300 683
MPT 1340

MARTIN ELECTRONICS

ELECTRICAL CONNECTIVITY



Warning

Electric voltage!

Dangerous currents flow through the body when coming into direct or indirect contact with live components.

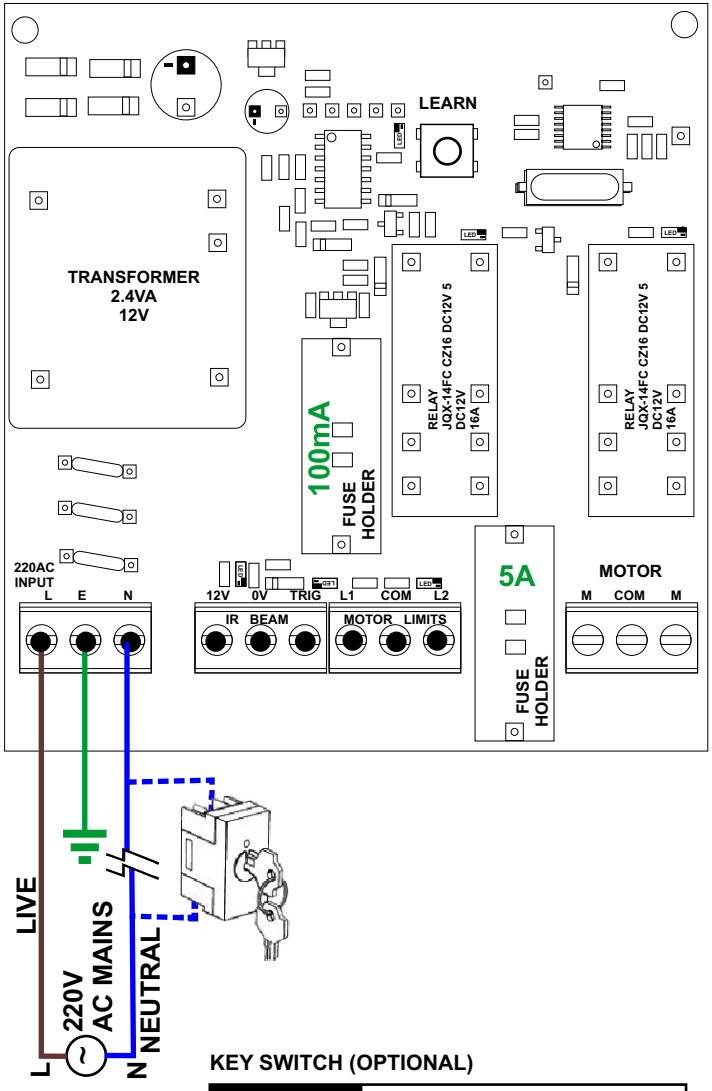
This can result in electric shock, burns or even death.

– Disconnect the mains power supply prior to installation and/or disassembly!

– Permitted work on the 210-240 V supply system to be performed only by a qualified person!

ELECTRICAL CONNECTIVITY

Electrical Schematic Diagram - AC Mains

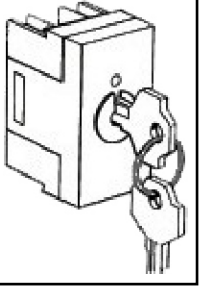


KEY SWITCH (OPTIONAL)

FIGURE 5

A generic 220v key switch can be bought separate from most security or door companies.

This can be used inline with the input supply voltage to cut power to the controller as a holiday lock function.



Warning

Electric voltage!

Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death.

– Disconnect the mains power supply prior to installation and/or disassembly!

– Permitted work on the 210-240 V supply system to be performed only by a qualified person!

PROGRAMMING AND USAGE

PROGRAMMING PROCEDURE

(Example shown with SENTRY 4 button transmitter)
To program a remote control into the receiver, the following procedure applies:

STEP 1: (FIGURE 2.a)
PRESS AND RELEASE the ***LEARN button*** on the receiver. The receiver will then enter "learn mode" indicated by the ***STATUS LED*** flashing once.

STEP 2: (FIGURE 2.b)
Press the required button on your transmitter, the ***STATUS LED*** will flash **3 times**, indicating that the button was stored successfully.
(If a button has already been programed to unit, the ***STATUS LED*** will flash for 1 second and exit program mode.)

PROGRAMMING PROCEDURE

FIGURE 2.a

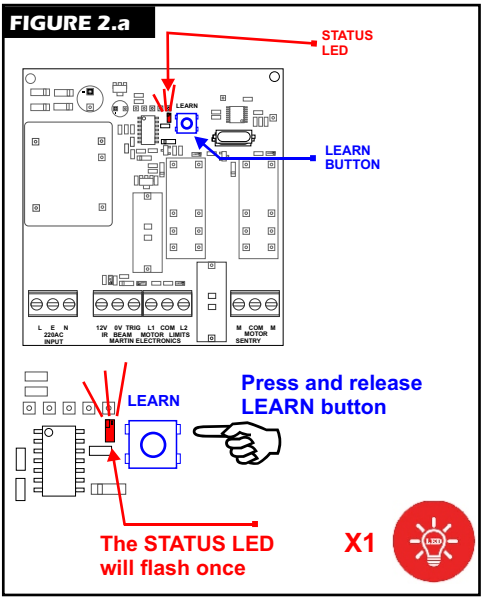
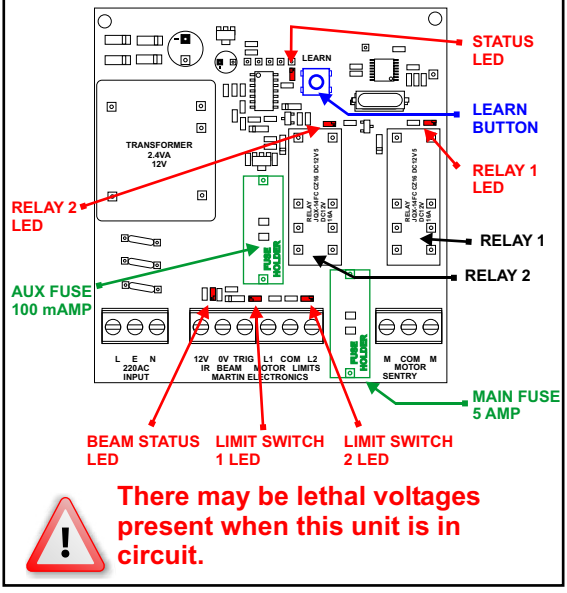
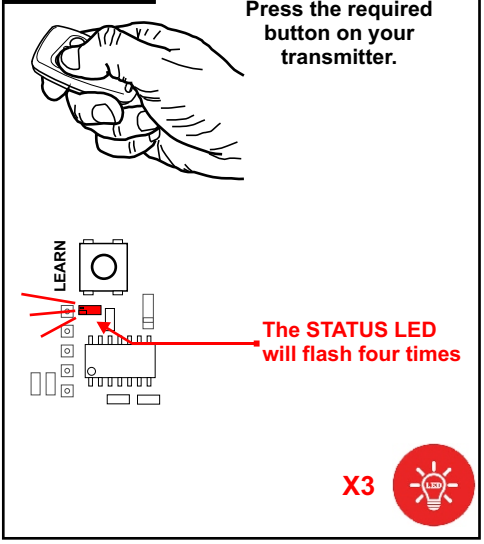


FIGURE 1. Receiver Feature Locations



There may be lethal voltages present when this unit is in circuit.

FIGURE 2.b



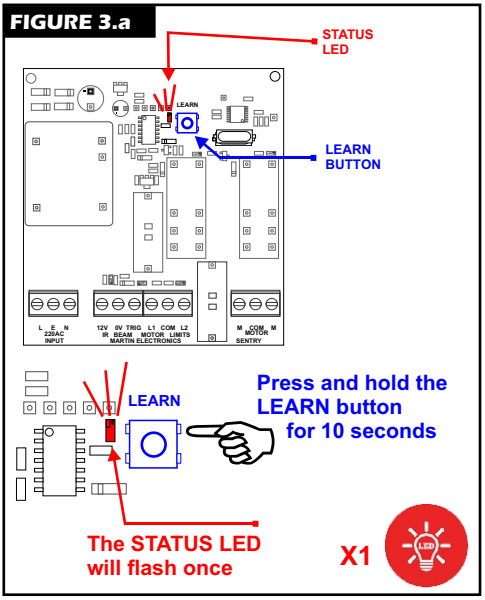
PROGRAMMING AND USAGE

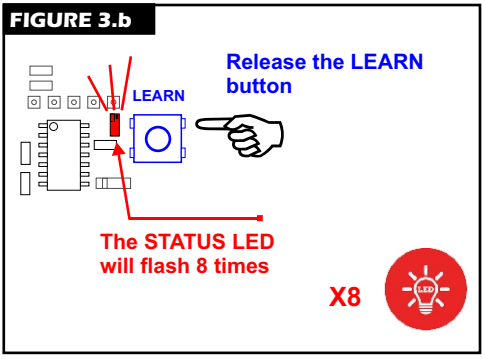
Erasing All Buttons Stored in memory
To erase all buttons stored in memory and to revert the receiver to the factory shipped condition, proceed as follows:

STEP 1: (FIGURE 3.a)
Press and HOLD the ***LEARN button*** for 10 seconds.

STEP 2: (FIGURE 3.b)
Release the ***LEARN button***. The ***STATUS LED*** will flash **8 times** and switch off. All codes are now erased.

ERASING ALL REMOTE CONTROLS





RANGE OF SENTRY REMOTES COMPATIBLE TO THIS UNIY

METX1-C1

METX3-C3

METX4-CH

METX6-CH

METX1-ET1

METX4-ET4

METX1-NV1

METX3-NV3

METX4-NV4

METX6-NV6

METX1-Q1

METX3-Q3

METX4-Q4

OPERATING PROCEDURE

To operate the unit.
Single button operation. Press for OPEN; STOP and CLOSE.

STEP 1: OPEN (FIGURE 5.a)

- Press the programmed button on you transmitter.
- The STATUS LED will flash every second and RELAY 1 LED will stay on.
- The door should now open.

STEP 2: STOP (FIGURE 5.b)

- Press the programmed button on you transmitter.
- Both LED's switch off.
- The door should stop.

STEP 3: CLOSE (FIGURE 5.c)

- Press the programmed button on you transmitter.
- The STATUS LED will flash every second and RELAY 2 LED will stay on.
- The door should now close.

Note: If STOP is pressed when opening or closing, pressing the transmitter button again will reverse the action of the door.

FIGURE 5.a

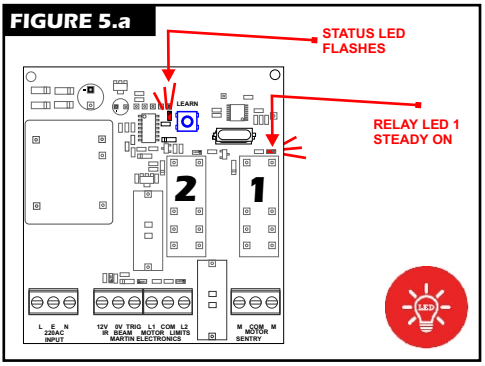


FIGURE 5.b

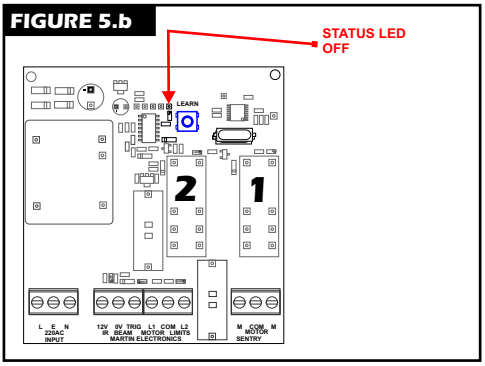
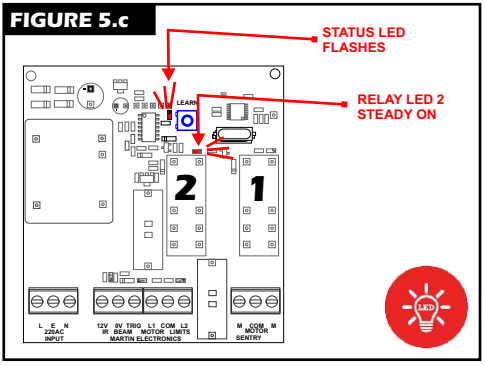
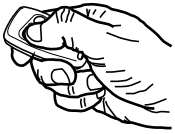


FIGURE 5.c





Press the programmed button on your transmitter.

SENTRY™
AUTOMATICALLY THE BETTER CHOICE

CONTACT DETAILS

POSTAL ADDRESS:
PO BOX 82129
SOUTHDALE
JOHANNESBURG
2135
SOUTH AFRICA

TEL: +2711 433 4084
FAX: +2711 680 3080

DIRECTOR: STEPHEN MARTIN
steve@martin-electronics.co.za

ACCOUNTS: JENNIFER
jennie@martin-electronics.co.za

INTERNAL SALES ASSISTANT:
orders@martin-electronics.co.za
sentrysales1@martin-electronics.co.za

TECH SUPPORT: MARIUS
ALARM SYSTEMS; KEYPADS, IR BEAMS & GSM COMMUNICATORS
marius@martin-electronics.co.za

TECH SUPPORT: ROBERT
TRANSMITTERS AND RECEIVERS
technical@ martin-electronics.co.za

TECH SUPPORT: ANANI
GATE MOTORS
anani@martin-electronics.co.za

Disclaimer

Martin Electronics CC will not be held responsible for any loss or damage that may occur if the Installation and User manual and safety instructions were not followed. The onus is on the installer to ensure that there no obstructions when fitting and installing the gate. It is the responsibility of the installer and the user to ensure that children and pets are not in the vicinity of the gate when it is being tested and/or operated.
It is the user's responsibility to ensure that the immediate area is kept free of plant and any other matter that may accumulate in or around the gate motor and the area of the gate operation. Do not allow children to operate the gate or play in the gate area.

CONTENTS IN BOX

1x MERDC-01
Sentry™ Roller Shutter Controller

2x METX3-C3

Sentry™ 3 Button transmitter
433,92MHz
Code Hopping

1x METX1-WB

Sentry™ transmitter wall bracket For
1 button or
3 button transmitter

Fasteners kit

X2

X4

Instruction Manual

NOTES:

IDA™
International Door Association
Enhancing the Value and Professionalism of Door & Access Systems Dealers

CE

ICASA
APPROVED
TA-2004/741
TA-2004/742

ESDA

ETSI
World Class Standards

POSTAL ADDRESS:
PO BOX 82129
SOUTHDALE
JOHANNESBURG
2135
SOUTH AFRICA

EMAIL: technical@martin-electronics.co.za

TEL: +2711 433 4084
FAX: +2711 680 3080

WEBSITE: www.martin-electronics.co.za

FOLLOW US ON:

@sentryremotes

@sentrymartinelectronics

TRADING HOURS:
MONDAY - THURSDAY
8:00 - 17:00 CAT
FRIDAY 8:00 - 16:00 CAT

2021