

‘MINIGRIP / SUREGRIP’

Push Button Radio Control for Winches, Doors, Gates, Recovery Vehicles & other similar equipment



MINIGRIP

Small transmitter available with 2,
4 or 6 Command buttons + Start /
Stop button

SUREGRIP

Large transmitter available with 8,
10 or 12 Command buttons +
Start / Stop button

TECHNICAL INFORMATION

TRANSMITTERS



Models:

MG3	2 way + Start/Stop.
MG5	4 way + Start /Stop
MG7	6 way + Start /Stop
SG8	8 way + Start/Stop.
SG10	10 way + Start /Stop
SG12	12 way

The Start / Stop button operates a latching relay in the receiver, the motion relays are all fed through this latching relay and are therefore allowed or disallowed depending on the status of the On / Off command.

Transmitters are fitted with 2 x standard AAA Batteries

New Transmitters can be easily programmed to a receiver as follows :-

1. Ensure the receiver green power LED is on.
2. When pressing a button on the new handset, the receiver red LED will flash slowly.
3. Press and hold the SW2 on the receiver board for about 4 seconds, this should illuminate the red LED.
4. Now press and hold any button on the transmitter.
5. In the receiver the red LED will flash slowly and then will stay on constantly. When the red LED is on constantly the handset is programmed. Now release the button. The handset is now programmed, the red LED will flash quickly and the corresponding relay will work when a button is pressed.
6. To erase all programmed handsets from the receiver hold SW2 for around 10 seconds. The red LED will go out when the receiver is blank.

RECEIVERS

Models:

The **Minigrip** range of Radio systems uses three standard types of Receiver as shown below :



Type 'MG3'
3 x 10 Amp
volt free relays

Type 'MG5'
5 x 10 Amp volt
free relays

Type 'MG7'
7 x 10 Amp volt
free relays

Standard Power Supply

Power supply DC 12 - 24VDC

Alternative Power Supply (Available on request)

Power supply DC 48VDC

Power supply AC 24VAC

Start /Stop relay volt free 10A

Dimensions

MG3 - 115 x 90 x 55

MG5 - 172 x 120 x 55

MG7 - 172 x 120 x 55

Housing material

Fibre re-enforced nylon

Protection

IP65

Temp range

-20°C to +70°C

IMPORTANT NOTE !

Although all relays in Minigrip receivers are fitted with diodes, it is advised that external sources of back emf are also fitted with diodes. If this is not the case it is possible that the radio signal may encounter interference causing interruption or lack of operating range. :

STANDARD OPTIONS



Dashboard mounting bracket
With or without warning buzzer



Antennae on extension cable
with BNC connector

Standard systems comprise:

- 1 x Transmitter c/w 2 x AAA Batteries
- 1 x Receiver c/w antennae
- 1 x Installation and maintenance instructions
- 1 x Certificate of conformity