'118' SERIES AM REMOTE CONTROL SYSTEMS.

- Complete Remote Control System
- Range Up To 100 Metres
- 12 or 24Vdc Supply.
- Easy Installation Via Screw Terminals.
- 1 Relay Output 12Apk @ 230Vac
- 2 Relay Outputs 2A @ 12Vdc
- Momentary or Latching Outputs
- IP65 Rated Enclosure
- Wall Mounting Lugs Supplied
- Highly secure Keeloq protocol.
- 433MHz version CE Compliant for use in Europe
- 315MHz FCC Compliant for use in USA

Description

This remote control system is supplied ready to operate. Installation requires connections to power supply screw terminals and the output relay contacts.

Ordering Information

PART No	DESCRIPTION
118C1AR5	AM Remote control System 1 Channel, 433MHz
118C3AR5	AM Remote control System 3 Channel, 433MHz
118C1-315AR1	AM Remote control System 1 Channel, 315MHz
118C1-315AR1	AM Remote control System 3 Channel, 315MHz

Additional Transmitter Keyfobs

This remote control system is supplied ready to operate. Installation requires connections to power supply screw terminals and the output relay contacts.

PART No	DESCRIPTION
110C1-315	Transmitter Keyfob 1 switch, 315 MHz
110C2-315	Transmitter Keyfob 1 switch, 315 MHz
110C3-315	Transmitter Keyfob 3 switch, 315 MHz
AM-110C1-433	Transmitter Keyfob 1 switch, 433 MHz
AM-110C2-433	Transmitter Keyfob 2 switch, 433 MHz
AM-110C3-433	Transmitter Keyfob 3 switch, 433 MHz

Data Outputs

Each output relay provides an isolated switch. Connections are Common (COM), Normally Open (NO) and Normally Closed (NC). The jumper links (J1, J2) configure the outputs to be momentary of latching.

118C1 (1 switch keyfob)		
Link Status		Decoder Output
LK1(J1)	LK2(J2)	O/P 1
Open	Open	Latch
Open	Connected	Mom

118C3				
Link Status		Transmitter Switch (2 or 3 switch keyfob)		
		LH	RH	TOP
LK1(J1)	LK2(J2)	O/P 1	O/P2	O/P3
Open	Open	Latch	Latch	Latch
Open	Connected	Mom	Mom	Mom
Connected	Open	Mom	Mom	Latch
Connected	Connected	Latch	Latch	Mom

Learning A New Transmitter Keyfob Switch

1. Press the learn switch (SW1), the accept LED will illuminate.
2. Press the transmitter once, accept LED will extinguish.
3. Press the transmitter again, the accept LED will flash.
4. Wait for the accept LED to stop flashing.
5. This transmitter will now operate the system.

The system can learn upto 50 unique transmitter keyfobs

Technical Specifications

Storage Temperature; -10 to +70° Celsius. Operating Temperature; 0 to +55° Celsius.

Transmitter Keyfob

Battery Type GP23A

ELECTRICAL CHARACTERISTICS	MIN	TYPICAL	MAX	DIMENSION
Supply Voltage	8.5	9	16	V
Supply Current : Quiescent		0		mA
Supply Current : all relays operating		8		mA
Operating frequency 315MHz Versions 433MHz Versions		 315 433.92		 MHz MHz

Receiver / Decoder

Enclosure Dimensions 110 x 85 x 35mm

PCB Dimensions 74 x 68mm

ELECTRICAL CHARACTERISTICS	MIN	TYPICAL	MAX	DIMENSION
Supply Voltage for 24Vdc		24.0	30.0	V
Supply Voltage for 12Vdc	9	12.0	16.0	V
Supply Current :				
Quiescent		10		mA
All Relays operating		200		mA
Mains rated Relay Rating (230Vac)		5	12	A
Low voltage Relay Rating At 12Vdc			 2	 A
At 50Vdc			1	A

For more information or general enquiries, please call;

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RF Solutions is a member of the Low Power Radio Association.