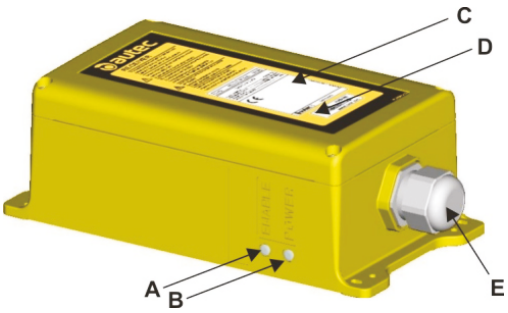
AIR SERIES

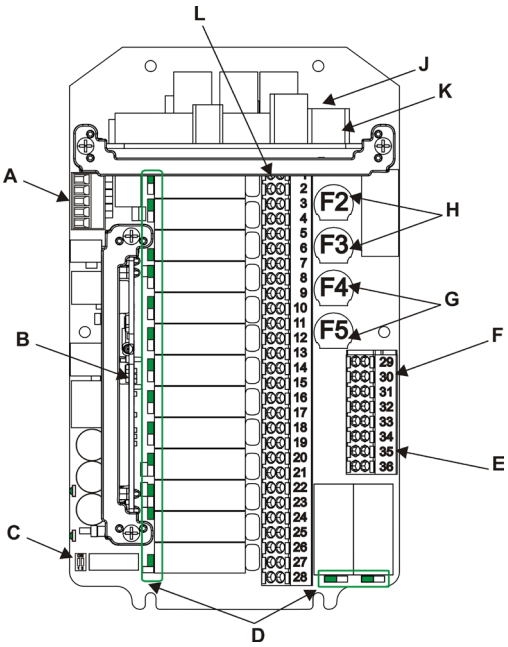
Part D: receiving unit G
ACRS13-G
DCRS13

INDEX

1 Description



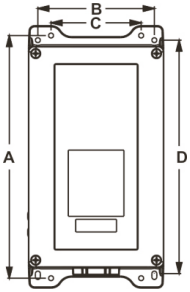
A	POWER LED
B	ENABLE LED
C	Technical data plate
D	Identification plate
E	Cable gland



A	Digital inputs
B	Electronic module and address key
C	DIP switches
D	Internal light signals
E	STOP outputs
F	SAFETY outputs
G	Fuses of STOP circuit
H	Fuses of SAFETY circuit
K	Connector for power supply unit
J	F1: power supply fuse
L	Command outputs

2 Technical data

Power supply ..... 45-240V~ (max 40-264V~ 0.4A)
..... or 12-24V⎓ (max 9-30V⎓ 1A)
Fuse F1 ..... 1.6A T 250V (5x20mm)
Digital inputs voltage ..... 10-60V≂ (max 9-66V≂)
Antenna ..... internal or dedicated
SAFETY contacts rated current ..... 4A (250V~)
Fuses F2 and F3 ..... 4A T 250V (5x20mm)
STOP contacts rated current ..... 4A (250V~)
Fuses F4 and F5 ..... 4A T 250V (5x20mm)
Commands rated current ..... 6A (250V~)
Housing material ..... PA 6 (20%fg)
Protection degree ..... IP65 (NEMA 4)
Dimensions 123x202x83mm (4.84x7.95x3.23In)
Weight 1.2kg (2.7Lb)



A	222 mm
B	106 mm
C	82 mm
D	213.5 mm

3 Technical data sheet

The technical data sheet contains the wiring diagram showing the connection between the receiving unit and the machine. It also contains the transmitting unit configuration and shows the matching between commands sent and machine functions/movements.
Each technical data sheet must be filled in, checked and signed by the installer, who is responsible for a correct wiring.
A copy of the technical data sheet must always be kept together with this manual (always keep a copy of this data sheet for administrative purposes).

WARNING	**The wiring of the receiving unit outputs must always reflect the wiring indicated in the technical data sheet.**

4 Plates

4.1 Plates on ACRS13-G and DCRS13 unit in a radio remote control

Plate	Position	Content
radio remote control identification plate	On the cover of the receiving unit	Radio remote control serial number (SERIAL N.), bar code and manufacturing year.
technical data plate	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

4.2 Plates on ACRS13-G and DCRS13 unit in a Take & Release system

Plate	Position	Content
system identification plate	On the cover of the receiving unit	System serial number (SERIAL N.), bar code and manufacturing year.
technical data plate	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

4.3 Plates on ACRS13-G and DCRS13 unit in a Multi Units or Multi Receiver system

Plate	Position	Content
system identification plate	On the cover of the receiving unit	System serial number (MULTI S/N), bar code and manufacturing year.
receiving unit identification plate	On the cover of the receiving unit	The serial number of the receiving unit (SERIAL N.) and a bar code.
technical data plate	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

5 Light signals

The ENABLE LED blinks once every 5 seconds: the receiving and transmitting units are not communicating.
The ENABLE LED blinks fast: the unit is ready to receive commands sent by the transmitting unit.
The POWER LED is on: the receiving unit is powered on.

6 Operation

6.1 Electronic module

The electronic module contains the address key, where the radio remote control configuration data are also stored. The receiving unit cannot work without this address key.

6.2 DIP switches

DIP switch 1 is used to set the frequency band.
DIP switch 2 shall always be set in the OFF position: do not modify it.

6.3 Internal light signals

The activation of each relay on the mother board is signalled by an LED near the relay.

6.4 Command outputs

The data sheet contains information regarding the correspondence between the commands sent by the transmitting unit and the related output enabled in the receiving unit.

7 Malfunction signalled by the receiving unit

Use the light signals on the receiving unit to identify the radio remote control malfunction. If the problem persists after the suggested solution has been carried out, contact the support service of the machine manufacturer.

LED	Signals	Possible reason	Solutions
POWER	Switched off	The connecting plug between the radio remote control and the machine is not connected correctly.	Correctly plug in the connecting plug.
		Fuse F1 is damaged.	Replace the fuse.
		Wrong or no power supply.	Make sure that power supply wires are correctly connected and that the power supply value is within the limits specified in the technical data.
	On	Receiving unit powered on.	Make sure that the outputs are correctly wired and that the power supply is within the limits provided the technical data. Start up the radio remote control.
ENABLE	Blinks once every 5 seconds	The transmitting and receiving unit do not communicate.	Start up the radio remote control.
	Blinks fast	Radio remote control is started up: the unit is ready to receive commands from the transmitting unit.	Make sure that commands sent enable the corresponding relays and that the relays go back to the rest position when the command is released.