



CONTROL UNITS

AWNINGS, SHUTTERS AND WINDOWS AUTOMATION
made in italy

ENGLISH 

zero
HOME AUTOMATION

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START from ZERO

*Learn to WALK, the first step, the first DOOR
A simple MOVE, it's all you need
TO OPEN!*

For over 25 years we offer technological solutions for home automation and more.

We do it with a passion that distinguishes us, allowing us to always be attentive to everyday needs.

This feature has led us to be constantly looking for solutions to make your life easier.

Because we believe and continue to believe in the importance of our product and especially the importance of the Italian product, all our products are made in Italy.



made in italy

CAT218TENDE.REV1



SOLE

awnings control unit

Control unit for tubular motors with mechanical limit switch, on board integrated receiver, able to manage both blinds and shutters, the possibility to connect also anemometer both radio and wire, rain sensor.

FUNCTIONS

- Management of programming also by remote control.
- Signaling of learning through the buzzer, led and motor movement.
- Possibility of connecting ZERO climate sensors.
- Possibility to connect an up / down button.
- Rolling Code high security coding system.



TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	650 W max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	10A
AUX OUTPUT	12V dc
WORKING TIME	60-120 sec
WIND THRESHOLD	15-25-35 km/h
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	175 x 37 x 25 mm

AVAILABLE VERSIONS

CODE

Control unit for a tubular motor curtain or shutter applications

ZR.ZSOLEV230

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | VENTO | VENTO R | VIBRA | PIOGGIA



OMBRA

shutters&awnings control unit

TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	350 W max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	5A
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	58 x 47 x 20 mm

Control unit for tubular motors with mechanical limit switch, on board integrated receiver, able to manage both blinds and shutters.

FUNCTIONS

- Possibility to connect a button with two keys
OPEN | STOP and CLOSE | STOP.
- Available in BUS version.
- Rolling Code high security coding system.

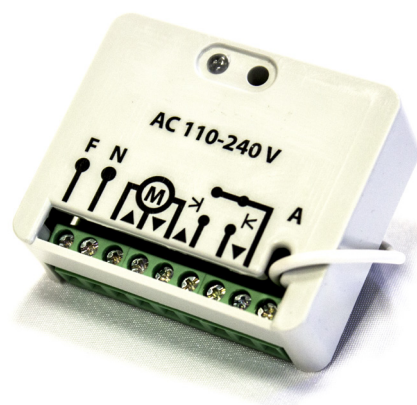
AVAILABLE VERSIONS

CODE

Control unit for a tubular motor shutter applications	ZR.ZOMBRAV230
Control unit for a tubular motor shutter applications BUS	ZR.ZOMBRAV230B

ZERO PRODUCTS COMPATIBILITY

MANO | TELO



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VENTO

awnings control unit

The VENTO sensor is a wind and sun detection device, with an integrated control unit that sends a radio transmission (433 MHz) in the event of any wind or sun alarm. Individual or centralized control for motors for shutter motors, curtains or similar.

FUNCTIONS

- Wind sensitivity control system | light by remote control.
- Signaling of learning through the buzzer, led and motor movement.
- Compatible with other products.
- Rolling Code high security coding system.
- Also available in anemometer only version with 2-wire connection.



TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	350 max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	5A
SUN THRESHOLD	5K-50K lux (5 liveli)
WIND THRESHOLD	10-45 km/h (5 liveli)
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
GRADO DI PROTEZIONE	IP 55

AVAILABLE VERSIONS

CODE

Anemometer with integrated control unit and receiver radio for awning application	ZR.ZVENTORADIO
Only anemometer wired connection	ZR.ZVENTOWIRE

ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | PORTA | Z14



DOMO

awnings control unit

TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	650 W max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	10A
WORKING TIME	120 sec
WIND THRESHOLD	10-25-35 km/h
WIND THRESHOLD DOMO2	10-45 km/h (5 livelli)
SUN THRESHOLD DOMO2	5K-50K lux
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 55
DIMENSIONS	150 x 150 x 40 mm

Control unit for one or two tubular motors with mechanical limit switch, with integrated receiver for curtains with the possibility to connect also anemometer both radio and wire, rain sensor (only in the two-motor DOMO2 version).

FUNCTIONS

- Management of programming also by remote control.
- Signaling of learning through the buzzer, led and motor movement.
- Possibility of connecting ZERO climate sensors.
- Possibility to connect an up / down button.
- Rolling Code high security coding system.

AVAILABLE VERSIONS

CODE

Control unit for a tubular motor	ZR.ZDOMOV230
Control unit for two tubular motors	ZR.ZDOMO2V230

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | VENTO | VENTO R | VIBRA | PIOGGIA



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CAT218TENDE.REV1

ZERO CATALOGUE
SHUTTERS&AWNINGS CONTROL UNITS

7



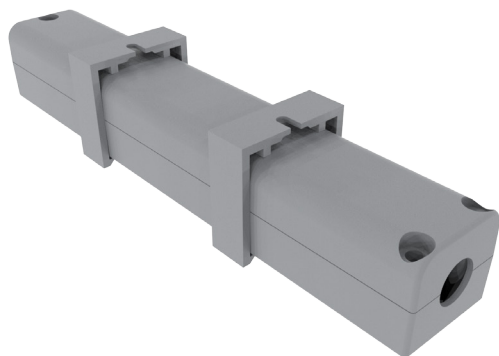
TUBO

shutter, screens&awnings control unit

Control unit for tubular motors mechanical limit switch, with integrated receiver, able to manage: blinds, shutters, blinds, screens the possibility of connecting all the climate sensors via radio. Fitted for all tubes of tubular motors (inside installation).

FUNCTIONS

- Management of programming by remote control.
- Signaling of learning through the buzzer, led and motor movement.
- Possibility of connecting ZERO climate sensors.
- Possibility to connect an up / down button.
- Rolling Code high security coding system.



TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	650 W max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	10A
WORKING TIME	60-120 sec
WIND THRESHOLD	15-20-25 km/h
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	150 x 30 x 30 mm

AVAILABLE VERSIONS

CODE

Control unit for a tubular motor awning, shutter, venetian blind, screen applications

ZR.ZTUBO

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | VENTO | VENTO R | VIBRA | PIOGGIA



DUETTO

shutters&awnings control unit

TECHNICAL FEATURES

SUPPLY	230Vac
OUTPUT POWER	1350 W max
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RELAY FLOW	16A
WORKING TIME	120-180 sec
WIND THRESHOLD	15-20-25 km/h (5 livelli)
TX STORED MAX	15
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	150 x 150 x 40 mm

Control unit for two mechanical limit switch motors, mounted on the same shaft roller, with integrated receiver, able to manage both blinds and shutters and the possibility to connect also anemometer both radio and wire and rain sensor. Ideal for PERGOLA installations.

FUNCTIONS

- Management of programming also by remote control.
- Signaling of learning through the buzzer, led and motor movement.
- Possibility of connecting ZERO climate sensors (sun).
- Possibility to connect an up / down button (230V) for each motor.
- Rolling Code high security coding system.

AVAILABLE VERSIONS

CODE

Control unit for two mechanical limit switch motors, mounted on the same shaft roller

ZR.ZDUETTOV230

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | VENTO | VENTO R | VIBRA | PIOGGIA



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CAT218TENDE.REV1



VIBRA

awnings control unit

433 Mhz radio vibration sensor for awnings. The sensor offers a reading of vertical and lateral oscillations. The safety battery system offers greater performance in terms of battery longevity. It can be placed on a curtain bar or in any case of a movement system where a wind alarm reading is required.

FUNCTIONS

- System to regulate sensitivity to learning by DIP or self-learning.
- Wireless: no wiring between the motor and the sensor.
- Extended battery life: 5 years.
- Compatible with other products.
- Rolling Code high security coding system.



TECHNICAL FEATURES

SUPPLY	2 x 1.5V
BATTERY LIFE	5 years
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	175 x 37 x 25 mm

AVAILABLE VERSIONS

CODE

Awnings application vibration sensor

ZR.ZVIBRAR

ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | DUETTO | TUBO | Z14 RADIO



PIOGGIA

shutter, awnings&windows control unit

TECHNICAL FEATURES

SUPPLY	12Vdc
ENVIRONMENTAL TEMPERATURE	-10°C +65°C
RELAY FLOW	1A
DETECTION	2 levels
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 54
DIMENSIONS	120 x 60 x 20 mm

The rain sensor is a capacitive sensor, this means that it detects the change of state in the sensitive surface. This sensor is therefore able to transmit information to the control panel every time it changes its status, as in the case of rain. Indicated as an alarm beacon for awnings, vasistas, shutters, irrigation systems or proximity control (eg: touch button).

FUNCTIONS

- Rain intensity control algorithm.
- Rolling Code high security coding system.

AVAILABLE VERSIONS

CODE

Rain sensor

ZR.PIOGGIA

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | VENTO | VENTO R | VIBRA | PIOGGIA



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CAT218TENDE.REV1



IDT

tubular motor control unit

It allows the command and the centralization of several motors. In addition to the local command, each motor can be controlled by the general command in sequence or in parallel by means of low-voltage signals of a bus line.

FUNCTIONS

- Compatible with all engine series.
- By means of a centralized signal all the users realize the movement simultaneously
- Possibility to connect an up / down button for local and centralized control.
- Possibility of transmitting codes from different engine manufacturers.



TECHNICAL FEATURES

SUPPLY	230Vac
ENVIRONMENTAL TEMPERATURE	-20°C +65°C
AUX OUTPUT	12Vdc
IP PROTECTION	IP 44
DIMENSIONS	58 x 47 x 20 mm

AVAILABLE VERSIONS

CODE

Home automation application awning or shutter application	ZR.ZIDTV230
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ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | TUBO | VENTO R | DUETTO



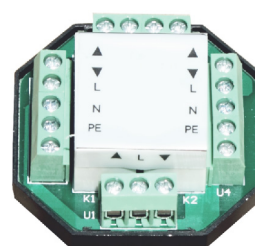
MOD

tubular motor control unit

It allows the grouping of 2 motors with the possibility of single and general drive.

FUNCTIONS

- Possibility of interconnection between modules



MOD4

centralina per motori tubolari

It allows the grouping of 4 motors with the possibility of single and general drive.

FUNCTIONS

- Possibility of interconnection between modules



TECHNICAL FEATURES

SUPPLY	230 Vac
OUTPUT POWER	1350 W max
ENVIRONMENTAL TEMPERATURE	-10°C +65°C
IP PROTECTION	IP 44
DIMENSIONS	51 x 51 x 23 mm

AVAILABLE VERSIONS

CODE

2 motors interconnection module

ZR.MOD

TECHNICAL FEATURES

SUPPLY	230 Vac
OUTPUT POWER	1350 W max
TEMPERATURA D'ESERCIZIO	-10°C +65°C
IP PROTECTION	IP 44
DIMENSIONS	80 x 60 x 23 mm

AVAILABLE VERSIONS

CODE

4 motors interconnection module

ZR.MOD4

ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | TUBO | VENTO R | DUETTO



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CAT218TENDE.REV1



TELO

awnings, shutters&windows transmitter

This line of transmitters has a minimal design. The 10-channel version that can be programmed from 1 to 10 plus the general channel is available too. This transmitter has a very simple use because it is equipped with a raise button, stop and descent. In addition there is an additional button that allows you to select the shutter or curtain to be moved.



TECHNICAL FEATURES

SUPPLY	12Vdc
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	132 x 37 x 20 mm

AVAILABLE VERSIONS

CODE

10-channel remote control with display	ZR.ZTELO433
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MANO

telecomando per tende, tapparelle e finestre

This line of transmitters has a new design. The 3-channel version is available, equipped with a raise button, stop and descent. In addition there is an additional hidden button on the back with the possibility of enabling the programming functions.



TECHNICAL FEATURES

SUPPLY	12Vdc
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	75 x 37 x 10 mm

AVAILABLE VERSIONS

CODE

Remote control 1 channel	ZR.ZMANO433R
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RADE

awnings, shutters&windows transmitter

TECHNICAL FEATURES

SUPPLY	1x3Vdc (BAT2540)
RADIO FREQUENCY RX	433.92 MHz
IP PROTECTION	IP 44
DIMENSIONS	132 x 37 x 20 mm

This line of transmitters has an elegant design available in a 16-channel version with TIMER. Equipped with a raise button, stop and descent and selection of the channel that allows you to select the shutter or curtain to be moved.

AVAILABLE VERSIONS

CODE

16-channel remote control with timer

ZR.ZRADE433



ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | TUBO | VENTO R | DUETTO



made in italy

CAT218TENDE.REV1



TUBOLARE

tubular motors

TUBULAR is the tubular motor with Ø 35-45-59 mm ideal for roller shutters and awnings. Adjustment of the operating limits by ELETROMECHANICAL SWITCH END.

Certificate and TUV, GUARANTEED 7 YEARS.

AVAILABLE VERSIONS

TUB15	15Nm	17 rpm	125W
TUB25	25Nm	17 rpm	130W
TUB35	35Nm	17 rpm	155W
TUB45	45Nm	12 rpm	235W
TUB55	55Nm	12 rpm	280W
TUB80	80Nm	15 rpm	332W
TUB120	120Nm	12 rpm	348W
TUB 140	140Nm	12 rpm	355W



ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | TUBO | VENTO R | DUETTO

TUBOLARE M

tubular motors

AVAILABLE VERSIONS

TUBM30	30Nm	17 rpm	155W
TUBM50	50Nm	12 rpm	180W
TUBM120	120Nm	12 rpm	350W

TUBULAR M is the tubular motor with Ø 45-59 mm ideal for roller shutters and awnings. Adjustment of the operating limits by ELETROMECHANICAL SWITCH END. It can also be operated manually by means of the emergency maneuver.

Certificate and TUV, GUARANTEED 7 YEARS.



ZERO PRODUCTS COMPATIBILITY

SOLE | DOMO | TUBO | VENTO R | DUETTO



TUBOLARE R

tubular motors

TUBULAR R is the tubular motor with Ø 45mm, ideal for SHUTTERS and AWNINGS. Adjustment of the operating limits by ELECTRONIC LIMIT SWITCH END and INTEGRATED RECEIVER. Available with one or ten channel remote control.

Certificate and TUV, GUARANTEED 7 YEARS.



AVAILABLE VERSIONS

TENDE E TAPPARELLE

TUBR30	20Nm	17 rpm	290W
TUBR50	50Nm	12 rpm	290W

TENDE A CASSONETTO

TUBR30C	20Nm	15 rpm	195W
TUBR50C	50Nm	12 rpm	228W

* AUTO-ADJUSTMENT function of the upper limit switch EVERY 50 CYCLES.

TAPPARELLE ORIENTABILI

TUBR10E	20Nm	15 rpm	113W
TUBR50E	50Nm	12 rpm	191W
TUBOR120E**	120Nm	9 rpm	350W

* Adjustment of the operating limits through 3 ELECTRONIC STROKE END.

** exclusively for 70mm octagonal roller.

TENDE E TAPPARELLE

TUBR100	20Nm	15 rpm	113W
TUBR500	50Nm	12 rpm	191W

* OBSTACLE DETECTION function both on UP and DOWN.

ZERO PRODUCTS COMPATIBILITY

MANO | TELO | RADE



SET SOLUTIONS

control units&transmitters

KIT A

CODICE

VENTO R + TELO

anemometer control unit and light sensor via radio, for one motor with 10-channel remote control.

ZR.KITA

KIT B

CODICE

DOMO + VENTO + TELO

control unit for one motor with wired anemometer and 10-channel remote control.

ZR.KITB

KIT E

CODICE

DOMO + VIBRA + TELO

control unit for one motor with vibration sensor and 10-channel remote control.

ZR.KITE

KIT ET

CODICE

SOLE + VIBRA + TELO

control unit for one motor with vibration sensor and 10-channel remote control.

ZR.KITET

KIT C

CODICE

VENTO + TELO

anemometer control unit and light sensor via radio, for two motors with 10-channel remote control.

ZR.KITC

KIT D

CODICE

DOMO2 + VENTO + TELO

control unit for two motors and an anemometer with 10-channel remote control.

ZR.KITD

KIT EW

CODICE

DOMO + VIBRA + MANO

control unit for one motor with vibration sensor and 1-channel remote control (UP-STOP-DOWN).

ZR.KITEW

KIT G

CODICE

OMBRA + TELO

control unit for one motor and 1-channel remote control (UP-STOP-DOWN).

ZR.KITG



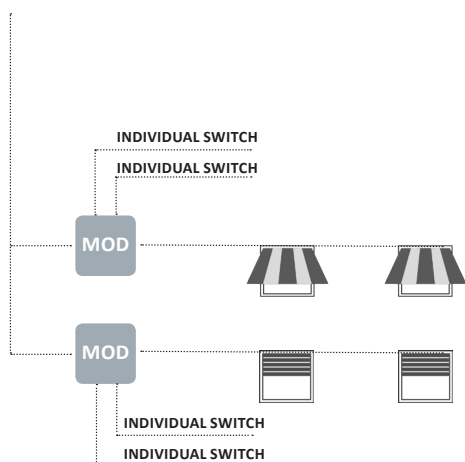
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CAT218TENDE.REV1

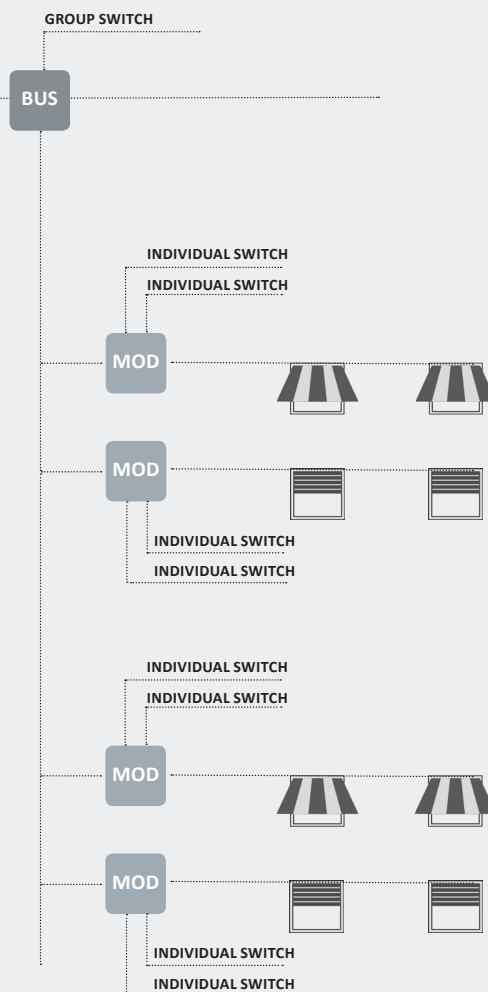
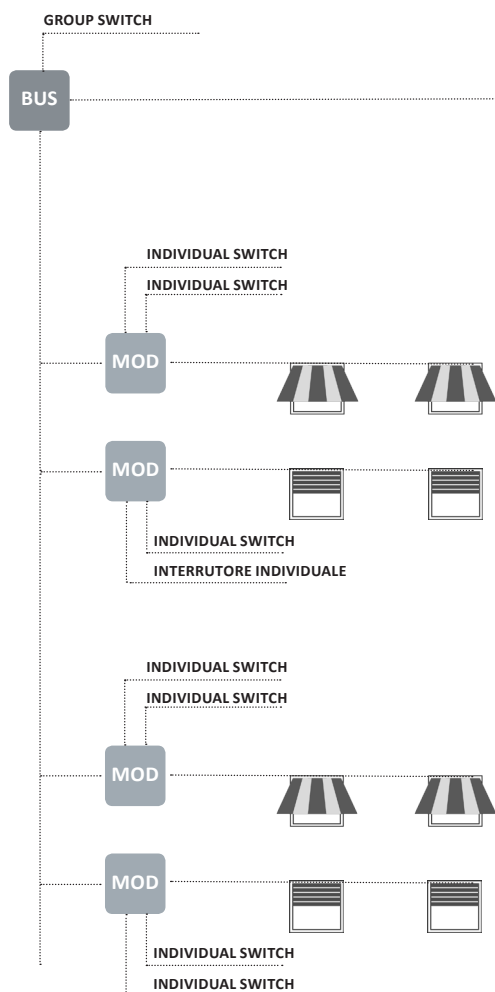


CONNECTIONS

centralization modules



Esempio di centralizzazione sequenziale con moduli di espansione (MOD) e moduli BUS



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GENERAL SALES TERMS AND CONDITIONS

1.Orders

All orders will only be accepted according to the following conditions. We will confirm your order in writing by our Order Confirmation. It is the customer's responsibility to check the order confirmation. Any differences in specification or terms shown on the order confirmation must be notified to ZERO within 5 days of the date of the order confirmation, otherwise the customer has to accept the goods as shown on the order confirmation.

2.Prices

Our price list shows only indicative prices. If any extraordinary or unexpected circumstances change the conditions stated at the moment of the contract the company has the right to change prices with a prior notice. Any price negotiations, conducted by agents or sub-agents, require the authorisation of ZERO before these prices can become operable.

3.Delivery

Goods are shipped at the buyer's risk, even if these parts are being shipped for a free delivery shipment.

4.Payments

ZERO retains the ownership of the goods until all payments have been made for them. The payment of the amount of the invoice must be paid within the terms and conditions indicated on the invoice. Failure to make payments in accordance with these terms and conditions may incur the imposition of a 3% penalty interest rate higher than the official discount rate of the moment.

5.Deliveries

Deliveries will be made in accordance with our normal trading terms and conditions. However, should any unforeseen circumstance arise which precludes a delivery being made, the customer will have no rights to seek compensation of any kind from ZERO.

6.Claims

The goods will be considered completely accepted by the customers after 8 days from their receiving. All claims must be in writing and sent to ZERO by registered letter within eight days of the customer receiving the goods. In case of goods subject to a manufacturing defect, such goods will be replaced ex works as quickly as possible. No claims will be allowed for direct or consequential loss arising from damage caused by the operation of our products. All replacement of product will be authorised and carried out only by ZERO. Any delay in payment by the buyer will nullify all sales agreements.

7.Controversy

All disputes arising from any matter resulting from the supply of product to a customer will only be settled by the Law Court of Brescia, Italy.

WARRANTY

ZERO GUARANTEES ITS MOTORS AND RELATED ACCESSORIES TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL AND PROPER USE, AT THE FOLLOWING CONDITIONS:

PERIOD

ZERO warrants its tubular motors for a period of five (5) years.

The electrical and electronic accessories (including the control systems) have a two (2) year warranty. All warranties start from the date of manufacturing.

WARRANTY APPLICATION

ZERO has an obligation under the terms of this warranty to repair or replace any parts found to be defective as quickly as possible. ZERO shall retain any parts replaced under warranty. The buyer is responsible for all freight costs associated with the repair, or replacement of the parts, without any obligation of assistance on the spot by ZERO.

WARRANTY LIMITATIONS

The following will render the warranty null and void:

- If the product has been opened or dismantled, or there are clear signs the product has been subject to abuse or other damage.
- If the buyer has selected a product which is not in accordance with our written product specifications.
- If the buyer or his agent has not followed the written installation and wiring instructions issued by ZERO.
- If our products are used in a manner for which they were not designed or they are used with accessories which have not previously been approved in writing by the Technical Department of ZERO.
- If any of the electrical accessories or controls have not been wired or installed in the manner depicted in our installation instructions.

PRODUCT USE LIMITATIONS

ZERO has designed the range of products for use in operating awnings, shutters or screens for sun protection, provided they are not in continuous use. These products must be installed according to IEC Standards or any other rule in force at the moment of their installation or planning.



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