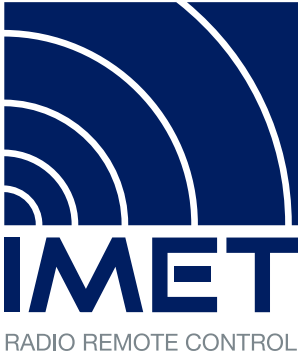




RADIO REMOTE CONTROLS FOR
HYDRAULIC TRUCK CRANES



RADIO REMOTE CONTROLS FOR HYDRAULIC TRUCK CRANES



Since 1988 we design and manufacture industrial safety radio remote controls for every kind of truck cranes equipped with an electro hydraulic or a manual distributor.

Solidity, ergonomics, safety and quality of the materials used, make of it a cutting edge product, of the innovative design.



ADVANTAGES:

WORKING COMFORT AND COST REDUCTION

The operator, free from the bond of the cable or of the fixed station, can take place in the most safe and suitable position to control the machine and the load, without the aid of other operators.

SIZE AND WEIGHT

They are very compact and thus, allow the operator to have a higher freedom of movement.

CERTIFIED SAFETY

The STOP circuit ensures the maximum level of safety in accordance with the European and international standards.

CALIBRATION VIA RADIOFREQUENCY

The "proportional outputs calibration mode" allows you to program and save each joystick and potentiometer response, while you are operating the machine, thus adapting the speed of all movements and reaching the best possible result. (PIN code required).

THE DSC FUNCTION

The DSC function performs instant corrections of the speed (low-speed mode), thus allowing the operator to better manage complex micro movements dictated by the characteristics of the loads that are present on the crane from time to time.

OPTICAL JOYSTICKS

Designed and manufactured by IMET; thanks to their wide inclination angle ($\pm 40^\circ$), guarantee a precise handling, like no other, that will continue throughout the remote control's life.

LOGGING OF EVENTS

IMET Radio remote controls log every event causing a failure or an abnormal stop, as well as the number of hours done by the remote control.

ERGONOMIC WAIST BELT

The practical belt allows the operator to completely free his hands to better follow the operations of hooking/unhooking the load of the crane.

THE DIAGNOSIS TOOL

It interfaces the PC to the radio control, allowing to check all the operating parameters and to see the list of the most significant events that have taken place.

EXTREME ENVIRONMENTS

The boxes are designed and manufactured with materials highly resistant to impacts. Operating temperatures from -25°C to $+70^\circ\text{C}$.

AUTOMATIC FREQUENCY CHANGE

The radio remote control is autonomously able to position itself on the best radio transmission channel. Manual changes of channel change are no longer required.

M880 KRON

ROBUST AND INNOVATIVE

The new model from IMET, built to obtain **maximum performance** and **minimum overall dimensions**, it is designed for **4 and 5 function** truck cranes. Featuring a practical clip for quick attachment to the waist belt, **KRON** impresses with its easy handling and ease of use thanks to the design of its handle, which will render comfortable every work situation.

KRON is available in three versions: **Basic, Standard and Plus.**

M880 ZEUS2

SOLID AND VERSATILE

A perfect mix of **reliability and versatility** reunited in a single control station; **ZEUS2** is the synthesis of the best **ergonomic and functional features**. The compact size of the panel, having rationalized space, make an easily customizable transmitter, according to the specific needs. Suitable for hydraulic cranes with **5 to 7 functions**, it is a masterpiece of technology that will transform you into a director of operations.

ZEUS2 is available in versions: **Standard and Plus.**



M880 THOR2

STRONG AND COMPLETE

With up to **9 single-axis joysticks** on the main panel, comfortable width and **double battery** for non-stop working shifts, **THOR2** is aimed at hydraulic cranes **with 6 to 10 functions**. Numerous push-buttons, potentiometers, toggle or rotary switches find place on the **main panel**, making **THOR2** also suitable for any truck crane of the forestry or the recycling sectors, including large-size ones.

THOR2 is available in versions: **Standard and Plus**.



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RADIO REMOTE CONTROLS FOR 4-FUNCTION CRANES



IMET offers 7 different models for this type of hydraulic cranes.
KRON M4, with its reduced size and attractive design, is available in the versions Basic, Standard, Plus, which allow you to choose the model best suited to the characteristics of the crane.
ZEUS2 M4, versatile and ergonomic, is available in the versions Standard and Plus and can be issued with a serial cable for a possible use as wire control.
ZEUS2 B2, on the other hand, is preferred by the operators who like to use 2 double-axis joysticks, instead of the classical 4 single-axis ones.



ZEUS2 B2 PLUS



ZEUS2 M4 PLUS



KRON M4 PLUS

DESCRIPTION OF VERSIONS BASIC, STANDARD AND PLUS

- Basic:** Rabbit/snail (only on KRON series)
- Standard:** DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off
- Plus:** DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off, lights on/off, load indication 90%/100% by means of Led

OPTIONS



Machine status report by means of Led and display (only on ZEUS2). Serial cable (only on ZEUS2).

M880

RADIO REMOTE CONTROLS FOR 5-FUNCTION CRANES



For the 5-function cranes, there are 3 different radio remote control models.
KRON M4 with auxiliary command for the selection of the 5th function;
ZEUS2 M5 with 5 single-axis joysticks, available in versions Standard or Plus.



KRON M4 PLUS



ZEUS2 M5 PLUS

ALSO AVAILABLE
WITH SERIAL CABLE

DESCRIPTION OF VERSIONS STANDARD AND PLUS

Standard: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off

Plus: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off, lights on/off, load indication 90%/100% by means of Led

OPTIONS



Machine status report by means of Led and display (only on ZEUS2). Serial cable (only on ZEUS2).

M880

RADIO REMOTE CONTROLS FOR 6-FUNCTION CRANES

IMET offers 6 different radio remote control models for this type of hydraulic cranes:

ZEUS2 M6 in versions Standard and Plus.

THOR2 M6, in versions Standard and Plus. It allows for higher sensibility and precision in the most delicate situations, through increased spacing between the joysticks. THOR2 B3, in versions Standard and Plus. It is equipped with 3 double-axis joysticks instead of 6 single-axis ones.



ZEUS2 M6 PLUS

ALSO AVAILABLE WITH SERIAL CABLE



THOR2 M6 PLUS

ALSO AVAILABLE WITH SERIAL CABLE



THOR2 B3 PLUS

ALSO AVAILABLE WITH SERIAL CABLE

DESCRIPTION OF VERSIONS STANDARD AND PLUS

Standard: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off

Plus: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off, lights on/off, load indication 90%/100% by means of Led

OPTIONS



Machine status report by means of Led and display. Serial cable.

M880

RADIO REMOTE CONTROLS FOR 7/8-FUNCTION CRANES



For the 7/8-function cranes, there are 3 different radio remote control models.
ZEUS2 M6, in versions Standard and Plus, with a command to enable the 7th-8th function.
THOR 2 M8, in versions Standard and Plus, with 8 single-axis joystick in line.



ZEUS2 M6+2 PLUS

ALSO AVAILABLE
WITH SERIAL CABLE



THOR2 M8 PLUS

ALSO AVAILABLE
WITH SERIAL CABLE

DESCRIPTION OF VERSIONS STANDARD AND PLUS

Standard: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off

Plus: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off, lights on/off, load indication 90%/100% by means of Led

OPTIONS



Machine status report by means of Led and display. Serial cable.

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RADIO REMOTE CONTROLS FOR 9/10-FUNCTION CRANES

The model THOR2 M9 Plus is fit for cranes with 9 or 10 functions; it comes with a command to eventually enable the 10th function.



THOR2 M9 PLUS

ALSO AVAILABLE WITH SERIAL CABLE

DESCRIPTION OF VERSION PLUS

Plus: DSC, IN-SLOW, rabbit/snail, RPM +/-, motor on/off, lights on/off, load indication 90%/100% by means of Led

OPTIONS



Machine status report by means of Led and display. Serial cable.

M880

ADD BOX DISPLAY

AVAILABLE ON MODELS ZEUS2 AND THOR2

ADVANTAGES OF USING THE ADD-BOX ON THE RADIO REMOTE CONTROL

The ADD BOX expands the number of commands present in the transmitting unit, allowing to insert additional push-buttons, potentiometers, switches, etc .., according to specific requests. It is also used as housing for a large display (also available with a 128x64 or TFT QVGA 3,5" graphic display) or by LEDs, to visualize data and/or alarms coming from the crane.



M880 OPTIONS



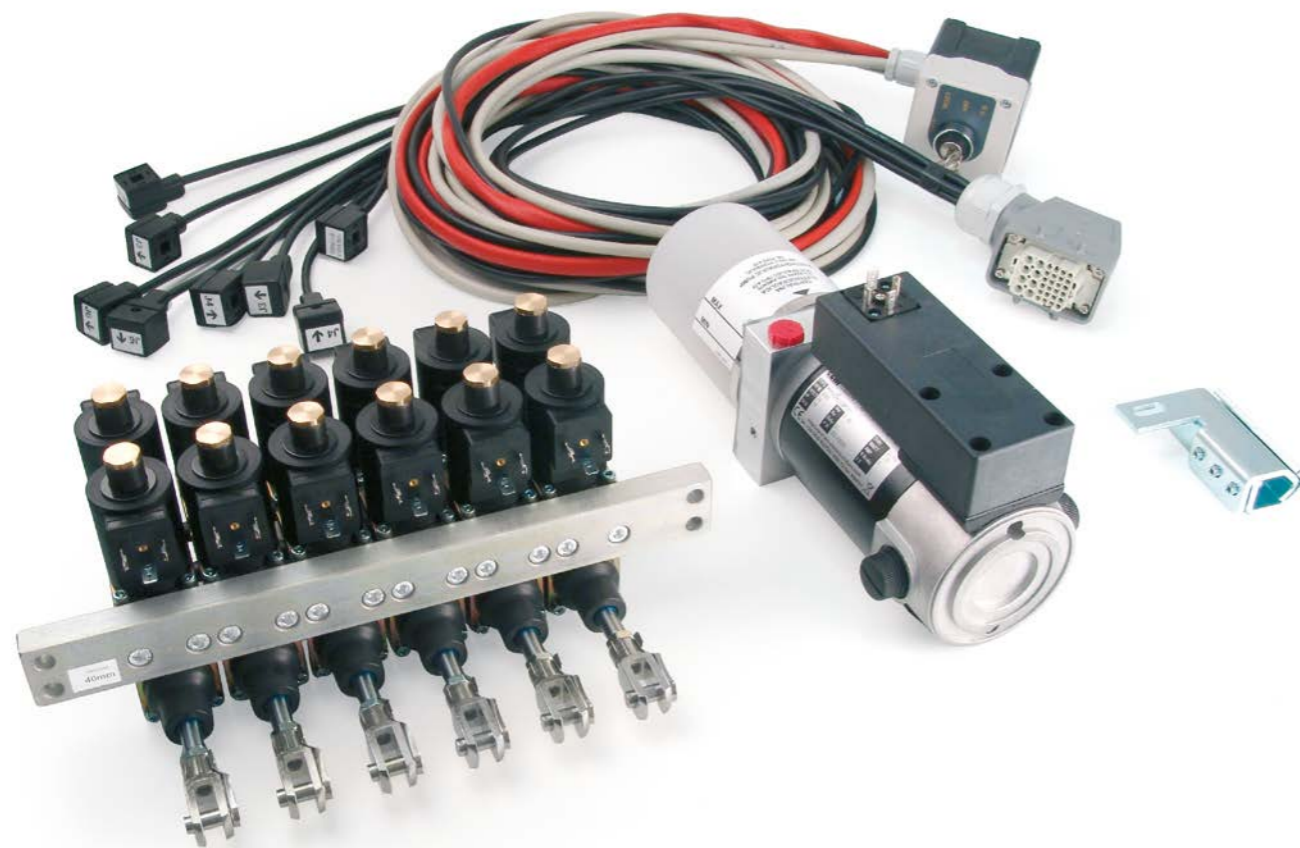
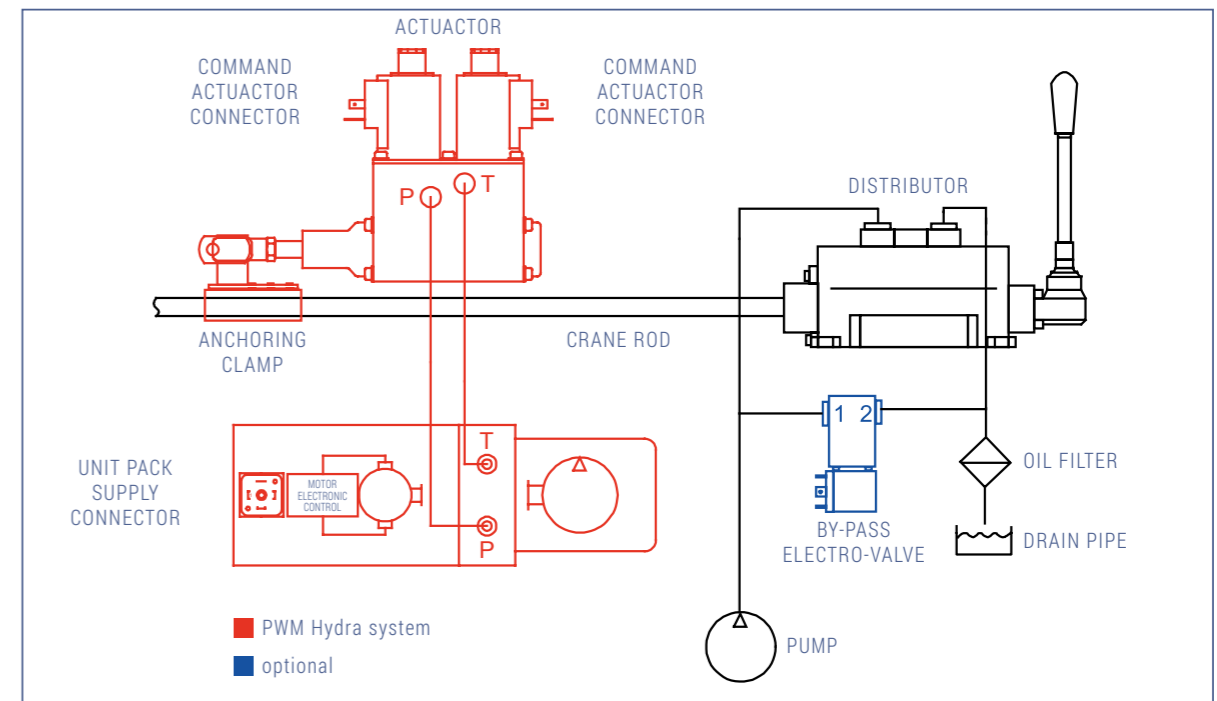
PWM ACTUATORS APT400

The electro hydraulic actuators **APT400** can work together with the **KRON, ZEUS and THOR** radio remote controls, allowing to operate most of the hydraulic cranes on the market that are equipped with only manual controls. The installation of this system requires no welding on the transmission rods and leaves intact the original system of the machine.

The **electro hydraulic circuit** of the **APT400** system was made **independent** from that of the crane, thanks to a dedicated electro hydraulic control unit. This is to prevent potential failures caused by sharing the oil of the crane's hydraulic circuit, usually already worn-out by demanding working conditions.

The activation of the control unit takes place only with maneuvers carried-out by the remote control; thus allowing for **low operating temperatures, avoidance of waste of energy and by wear of time.**

The **calibration** of the actuators **APT400** is done once the installation has been completed, **by means of the radio remote control transmitting unit.**



MODULAR ACTUATOR BLOCK AND THE 4-FUNCTION MONOBLOCK

| | |
|-------------------------------------|------------------------------|
| Driving signal | PWM at 80Hz |
| Coil resistance at 20°C (68°F) | 5,5 Ohm |
| Absorption at 27 Vdc | 170 ÷ 620 mA |
| Absorption at 13,5 Vdc | 300 ÷ 1250 mA |
| Operating temperature | -20°C ÷ +70°C (-4°F ÷ 158°F) |
| Max stroke | 26mm (±13mm from center) |
| Max stroke (optional) | 40mm (±20mm from center) |
| Thrust force and traction at 12 bar | 600N |
| Optimal operating pressure | 15 ÷ 20 bar |
| Max operating pressure | 30 bar |
| Hydraulic circuit connection | 1/4" Gas |
| Dimensions (L.W.H.) | 210 x 38 x 138 mm |
| Weight (single mode) | 1500 g |
| Standard distance between centers | 38, 42, 44, 46, 48, 50 mm * |
| Number of standard functions | 4 ÷ 8 * |

* in case of monoblock: 4F and 40 mm distance between centers.

ELECTRO HYDRAULIC CENTRAL UNIT

| | |
|---------------------|---------------------------------|
| Supply voltage | 12 o 24 Vdc +20% -10% |
| Operating pressure | 18 bar 27 Vdc - 16 bar 13,5 Vdc |
| Dimensions (L.W.H.) | 330 x 130 x 160 mm |
| Weight (dry) | 5200 g |

COUNTER PRESSURE VALVE WITH FILTER

| | |
|-----------------------|------------------------------|
| Operating temperature | -20°C ÷ +70°C (-4°F ÷ 158°F) |
| Flow rate | 70l/min |
| Dimensions (L.W.H.) | 84 x 50 x 132 mm |
| Weight (dry) | 110 g |

The kit, besides the actuators APT400 and the electro hydraulic control unit, includes:

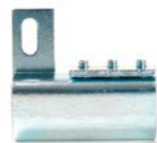
THE COMPLETE ELECTRICAL WIRING

The electrical wiring of the receiver/actuator/control unit system



THE CLAMPS FOR THE TRANSMISSION RODS

The clamps to be fixed to the transmission rods of the crane avoid welding whatsoever and render the system independent



FITTINGS AND HYDRAULIC PIPING

Fittings and connecting pipes to the control unit



OTHER ACCESSORIES FOR THE ACTUATORS APT400 (OPTIONAL):

STROKE EXTENSION KIT

The standard actuator stroke is +/- 13 mm from the center and fits most part of the hydraulic distributors present in the market. A kit that can extend the piston's stroke up to +/- 20mm is available for special needs.



ADAPTER KIT

It is possible to connect the actuators APT 400 directly to the proportional manual distributors Walvoil SD6-SD8, Galtech and Parker, thanks to the dedicated flanging kit. This configuration involves the removal of the transmission bars.



THE BY-PASS VALVE

This valve is required to make the crane comply with CE regulations. In case you are lacking it, it is available in our product catalog.



FURTHER M880 OPTIONS



TILT SENSOR

This device is able to recognize emergency situations caused by:

- Fall and tip over of the radio remote control
- Loss of balance by the operator

The functioning of the TILT SENSOR can be customized according to customer requirements and to the level of safety required: you can set the simple activation of predefined functions (eg. buzzer), up to the suspension of all functions of the radio control.

TILT SENSOR

SERIAL CABLE

The transmitting units of models ZEUS and THOR can be equipped with a socket for the serial connection to the receiver.

The direct cable connection excludes the radio transmission, thus overcoming any issues related to signal noise or use of the product in areas where the radiofrequency is not permitted, or due to the exhaustion of the battery.



PITOOOL

Produced by IMET, it allows to connect the transmitter or the receiver to be diagnosed to a PC. The data can be viewed through an easy and intuitive graphic interface and then saved directly on the PC in editable format.



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TECHNICAL DATA



TRANSMITTING UNITS

| | KRON | ZEUS2 | THOR2 |
|---|----------------|---|----------------|
| Dimensions (L.W.H.) | 180x107x160 mm | 205x150x150 mm | 295x180x160 mm |
| Dimensions with display (L.W.H.) | / | 205x205x150 mm | 295x250x165 mm |
| Weight (battery included) | ≈ 880 g max | ≈ 1450 g max | ≈ 2300 g max |
| Range | | 100 m | |
| Max number of ON/OFF commands | | 56 Max | |
| Max number of analog commands (optional) | | 16 (19) Max | |
| Joystick commands | | Up to 16 | |
| UMFS ^a = Unintended Movement From Standstill (ISO 13849-1:2006 6.2.6 architecture) | | | |
| Number of service and safety commands | | 3 (Start, Clacson, Stop) | |
| Casing material | | Charged Nylon UL94 HB | |
| Supply voltage | | 3,6 Vdc | |
| Absorption | | 95 mA | |
| Max supply power | | 0,35 W | |
| Battery | | NiMh 3,6V-2,2A/h accumulator | |
| Autonomy at 20°C with charged battery in continuous service | | ≈ 22 hours | |
| Notice time of low battery | | ≈ 15 min | |
| Character visualization speed on the display | | 100 char/s | |
| Command STOP | | PL e Cat.4 (ISO 13849-1:2006 6.2.7 architecture) | |
| Command JOYSTICK | | PL e Cat.3 (ISO 13849-1:2006 6.2.6 architecture) | |
| Command LEVER - BUTTON | | PL e Cat.2 (ISO 13849-1:2006 6.2.5 architecture) | |
| Operating frequency 1 | | I.S.M. Band 433.050-434.790 MHz Number of programmable channels: 69, AFA mode (Adaptive Frequency Agility) or on fixed channel. Max power: 1 mW e.r.p | |
| Operating frequency 2 | | I.S.M. 434.040-434.790 MHz Number of programmable channels: 30, AFA mode (Adaptive Frequency Agility) or on fixed channel. Max power: 10 mW e.r.p | |
| Operating frequency 3 | | 2,4 GHz, 16 ch | |
| Alphanumeric LCD display (optional) | | 2 rows 16 char. / 4 rows 20 char. | |
| Graphic display (optional) | | 128x64 pixel monochromatic / TFT QVGA 3.5" ^b | |
| Buzzer | | Avaiable | |
| Operating temperature | | -25°C - +55°C | |
| Storage temperature | | -40°C - +85°C | |
| Power supply | | Battery single su ARES2, KRON, ZEUS2 (Double battery optional on model THOR2) ^b | |
| Radio transmission | | Double (Single MTRS) | |
| Output calibration | | Via calibrating procedure of proportionals | |
| LEDs | | Link TX, Link RX, Error code | |
| Degree of protection | | IP 65 | |

^a = depends on the command configuration / ^b = to be implemented

RECEIVING UNITS

| | H AC / H DC | L AC / L DC | S AC / S DC | M AC |
|----------------------------------|---|---|---|---|
| Supply voltage | H-AC: 45-240 Vac (50-60 Hz); H-DC: 11÷30 Vdc and 24 Vac (50-60 Hz) | L-AC: 24-240 Vac (50-60 Hz); L-DC: 11÷30 Vdc | S-AC: 24 Vac (50-60 Hz) / 12÷30 Vdc (Optional 24-440 VAC [50-60 Hz]) S-DC: 12÷30 Vdc | 12÷30 Vdc / 24 Vac (50-60 Hz) |
| Safety commands | STOP, Safety-Enable (up to 8) | STOP, Safety-Enable | STOP, Safety-Enable | STOP, Safety-Enable |
| Commands | 73 ^a relays or MOS, 32 ^a Analog (PWM, current, voltage) | 16 relays or 20 MOS, 8 Analog (PWM, current, voltage) | S-AC: 14 relays (N.O.); S-DC: Max 14 MOSFET (N.O), Max 4 Proportional, 2 Digital IN | 24 relays (20 N.O. and 4 N.C./N.O.) (Current, voltage) |
| Service commands | Start, Horn, Timed-Relay | Start, Horn, Timed-Relay ^b | Start, Horn, (configurable) | Start, Blinker (Among the 24 relays) |
| Input port | CAN, Serial RS232/RS485 | CAN, Serial RS232/RS485 | S-DC: CAN, Serial RS232 RS485 | CAN, Serial RS232/RS485 |
| STOP relay category ^a | PL e Cat 4, ISO 13849-1: 2006 6.2.7 architecture | PL e Cat 4, ISO 13849-1: 2006 6.2.7 architecture | PL e Cat 4, ISO 13849-1: 2006 6.2.7 architecture, PLC Cat 1, ISO 13849-1: 2006 6.2.3 architecture, (With ARES2 C and WAVE2 C) | PL e Cat 4, ISO 13849-1: 2006 6.2.7 architecture |
| Field BUS | CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232 / RS485 | CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232 / RS485 | S-DC: RS232 / RS485 (115200 Baud max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) CANOpen (ID 11-29 bit) (1Mbit/s max) | CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232 / RS485 |
| Integrated flashing light | / | / | Only AC version | / |
| Operating temperature | -25°C - +70°C | -25°C - +70°C | -25°C - +60°C | -25°C - +70°C |
| Degree of protection | IP 66 | IP 66 | IP 66 | IP20 |
| Dimensions | 205 x 130 x 280 mm | 140 x 65 x 230 mm | 127 x 147 x 70 mm | 180 x 120 x 73 mm |
| Weight | 3500 g | 1700 g | 630 g | 910 g |

^a : depends on the configuration
^b : only L DC

BATTERY CHARGER

| | |
|--|--|
| Supply voltage | |
| Absorption | |
| Batteries type | |
| Charging current | |
| Max charging time | |
| Recommended operating temperature with battery in charge | |
| Storage temperature when off and without battery | |
| Dimensions (L.W.H.) | |
| Weight | |
| Degree of protection | |

CB36NIMH

| | |
|--|---------------------------------|
| Supply voltage | 11÷30 Vdc |
| Absorption | 400 mA max |
| Batteries type | 3,6V NiMH |
| Charging current | 900 mA |
| Max charging time | about 2 hours and 20 minutes |
| Recommended operating temperature with battery in charge | 0°C to +35°C (+32°F to +95 °F) |
| Storage temperature when off and without battery | -40°C - +85°C (-40°F - +185 °F) |
| Dimensions (L.W.H.) | 80 x 30 x 120 mm |
| Weight | 250 g |
| Degree of protection | IP 20 |

CB37LION

| | |
|--|---------------------------------|
| Supply voltage | 11÷30 Vdc |
| Absorption | 300 mA max |
| Batteries type | 3,7V LiPo |
| Charging current | 540 mA |
| Max charging time | about 2 hours and 30 minutes |
| Recommended operating temperature with battery in charge | 0°C to +45°C (+32°F to +113 °F) |
| Storage temperature when off and without battery | -40°C - +85°C (-40°F - +185 °F) |
| Dimensions (L.W.H.) | 70 x 25 x 130 mm |
| Weight | 110 g |
| Degree of protection | IP 20 |

COMPLIANCE TO THE REGULATIONS

- IEC/EN 60950-1
- EN 50371
- EN 60204-32
- EN 60529:1991+A1
- ISO 13849-1
- EN 13557/A2
- EN 61000-6-2
- EN 301 489-1
- EN 301 489-3
- EN 300 220-1
- EN 300 220-2
- 1999/5/CE (Directive R&TTE)
- 2006/42/CE (Directive Machines)
- RED Directive (2014/53/EU)

M880

CHARACTERISTICS

Included = ●
Not Included = ○

| | Version | Variant | Receiver | N° joystick | N° functions | Serial cable | DSC Function | IN-SLOW Function | Rabbit/Snail | RPM +/- | Motor on/off | Light on/off | Led 90/100% |
|-----------------------------|-------------------------|---------|----------|---------------|--------------|--------------|--------------|------------------|--------------|---------|--------------|--------------|-------------|
| Kron M4 - 10010 | Basic | 00 | L | 4 single-axis | 4 | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ |
| Kron M4 - 10011 | Standard | 00 | L | 4 single-axis | 4 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| Kron M4(+1) - 10012 | Plus | 00 | L | 4 single-axis | 4 + 1 | ○ | ● | ● | ● | ● | ● | ● | ● |
| Zeus2 M4 - 10013 | Standard | 00 | L | 4 single-axis | 4 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 4 single-axis | 4 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Zeus2 M4 - 10014 | Plus | 00 | L | 4 single-axis | 4 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 4 single-axis | 4 | ● | ● | ● | ● | ● | ● | ● | ● |
| Zeus2 B2 - 10015 | Standard | 00 | L | 2 double-axis | 4 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 2 double-axis | 4 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Zeus2 B2 - 10016 | Plus | 00 | L | 2 double-axis | 4 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 2 double-axis | 4 | ● | ● | ● | ● | ● | ● | ● | ● |
| Zeus2 M5 - 10017 | Standard | 00 | L | 5 single-axis | 5 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 5 single-axis | 5 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Zeus2 M5 - 10018 | Plus | 00 | L | 5 single-axis | 5 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 5 single-axis | 5 | ● | ● | ● | ● | ● | ● | ● | ● |
| Zeus2 M6 - 10019 | Standard | 00 | L | 6 single-axis | 6 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 6 single-axis | 6 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Zeus2 M6 - 10020 | Plus | 00 | L | 6 single-axis | 6 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 6 single-axis | 6 | ● | ● | ● | ● | ● | ● | ● | ● |
| Zeus2 M6(+2) - 10021 | Standard | 00 | L | 6 single-axis | 6 + 2 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 6 single-axis | 6 + 2 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Zeus2 M6(+2) - 10022 | Plus | 00 | L | 6 single-axis | 6 + 2 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 6 single-axis | 6 + 2 | ● | ● | ● | ● | ● | ● | ● | ● |
| Thor2 M6 - 10023 | Standard | 00 | L | 6 single-axis | 6 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 4 single-axis | 6 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Thor2 M6 - 10024 | Plus | 00 | L | 6 single-axis | 6 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 6 single-axis | 6 | ● | ● | ● | ● | ● | ● | ● | ● |
| Thor2 B3 - 10025 | Standard | 00 | L | 3 double-axis | 6 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 3 double-axis | 6 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Thor2 B3 - 10026 | Plus | 00 | L | 3 double-axis | 6 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 3 double-axis | 6 | ● | ● | ● | ● | ● | ● | ● | ● |
| Thor2 M8 - 10027 | Standard | 00 | L | 8 single-axis | 8 | ○ | ● | ● | ● | ● | ● | ○ | ○ |
| | Standard + Serial cable | 01 | L | 8 single-axis | 8 | ● | ● | ● | ● | ● | ● | ○ | ○ |
| Thor2 M8 - 10028 | Plus | 00 | L | 8 single-axis | 8 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | L | 8 single-axis | 8 | ● | ● | ● | ● | ● | ● | ● | ● |
| Thor2 M9 - 10029 | Plus | 00 | H | 9 single-axis | 9 + 1 | ○ | ● | ● | ● | ● | ● | ● | ● |
| | Plus + Serial cable | 01 | H | 9 single-axis | 9 + 1 | ● | ● | ● | ● | ● | ● | ● | ● |

NOTE

NOTE



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