

M880 RECEIVERS



	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.), 4 Analog (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	PLe Cat 4, ISO 13849-1: 2006 6.2.7 architecture	PLe Cat 4, ISO 13849-1: 2006 6.2.7 architecture	PLe 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)	PLe 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 for L DC

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M880 NEW SERIES

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ARES2 E

Weight 667 g
Dimensions 143 x 80 x 140 mm

KRON M2

Weight 880 g
Dimensions 180 x 107 x 160 mm



ZED B2

Weight 1030 g
Dimensions 214 x 128 x 162 mm



ZEUS2 B2

Weight 1450 g
Dimensions 205 x 150 x 150 mm



THOR2 X

Weight 2300 g
Dimensions 295 x 180 x 160 mm

MODIN

Weight 910 g
Dimensions 180 x 73 x 120 mm



M880 TRANSMITTERS

TECHNICAL DATA

Casing material	Charged nylon UL94 HB
Degree of protection	IP 65 (Modin IP 20)
Operating and storage temperature	-25°C - +70°C / -40°C - +85°C
Command STOP	PLe Cat.4 (ISO 13849-1:2006 6.2.7 architecture)
Command JOYSTICK	PLd Cat.3 (ISO 13849-1:2006 6.2.6 architecture)
Command LEVER - BUTTON	PLc Cat.2 (ISO 13849-1:2006 6.2.5 architecture)
Operating frequency 1	I.S.M. Band 433.050-434.790 MHz
Operating frequency 2	I.S.M. 434.040-434.790 MHz
Operating frequency 3	2,4 GHz, 16 ch
Range	100 m
Autonomy at 20°C	≈ 22 hours

OPTIONS

Truck cranes retrofit kit, Tilt-Sensor, Serial Cable, MTRS, Kapta, Twin B, Backlit transmitter panel.

WAVE2 S / L

Weight 375 g
Dimensions 75 x 43 x 180 mm

Weight 445 g
Dimensions 75 x 43 x 245 mm



RAY EP / CP

Weight 420 g
Dimensions 157 x 80 x 44 mm

Weight 360 g
Dimensions 157 x 80 x 44 mm



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