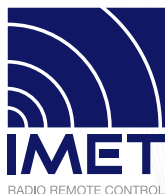


M880 RECEIVERS



H AC / H DC



L AC / L DC



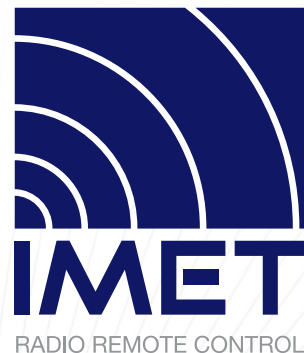
S AC / S DC



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 * relays or MOS, 32 * 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.), 4 analog, 2 digital IN	22 relays (18 N.O. and 4 N.C./N.O.), 4 analog (Current, voltage)
Service commands	Start, Horn, Timed-Relay	Start, Horn, Timed-Relay #	Start, Horn	Start, Horn
STOP relay category *	PLe Cat 4, ISO 13849-1 6.2.7 architecture	PLe Cat 4, ISO 13849-1 6.2.7 architecture	PLe Cat 4, ISO 13849-1 6.2.7 architecture. PLc Cat 1, ISO 13849-1 6.2.3 architecture, (Con ARES2 C e WAVE2 C)	PLe Cat 4, ISO 13849-1 6.2.7 architecture
Field BUS	RS232 / RS485 (115200 Baud max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) CANOpen (ID 11-29 bit) (1Mbit/s max)	RS232 / RS485 (115200 Baud max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) CANOpen (ID 11-29 bit) (1Mbit/s max), Profinet, Ethernet IP	RS232 / RS485 (115200 Baud max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) CANOpen (ID 11-29 bit) (1Mbit/s max)	RS232 / RS485 (115200 Baud max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) CANOpen (ID 11-29 bit) (1Mbit/s max), Profinet, Ethernet IP
Integrated flashing light	/	/	Only AC version	/
Operating temperature	-25°C - +70°C / -13°F +158°F	-25°C - +60°C / -13°F +140°F	-25°C - +60°C / -13°F +140°F	-25°C - +70°C / -13°F +158°F
Degree of protection	IP 66	IP 66	IP 66	IP20
Dimensions	205 x 130 x 280 mm / 8 x 5 x 11 in	140 x 65 x 230 mm / 5,5 x 2,5 x 9 in	127 x 147 x 70 mm / 5 x 5,78 x 2,7 in	180 x 73 x 120 mm / 7 x 2,8 x 4,7 in
Weight	3500 g / 7,7 lb	1700 g / 3,74 lb	600 g / 1,32 lb	900 g / 1,98 lb

* = depends on the configuration / #: only for L DC



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SERIES
M880

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ARES2

Dimensions
143 x 80 x 143 mm
5.63 x 3.15 x 5.63 in

Weight
700 g
1,54 lb

AXT

Dimensions
120 x 63 x 161 mm
4.73 x 2.48 x 6.34 in

Weight
500 g
1,10 lb



KRON

Dimensions
180 x 107 x 160 mm
7.08 x 4.21 x 6.30 in

Weight
900 g
1,98 lb



ZED

Dimensions
214 x 107 x 162 mm
8.42 x 4.21 x 6.38 in

Weight
1000 g
2,20 lb



ZEUS2

Dimensions
205 x 150 x 150 mm
8.07 x 5.90 x 5.90 in

Weight
1450 g
3,197 lb



TITAN

Dimensions
400 x 230 x 170 mm
15.7 x 9.05 x 6.7 in

Weight
4000 g
8,81 lb



THOR2

Dimensions
295 x 180 x 160 mm
11.61 x 7.08 x 6.30 in

Weight
2300 g
5,07 lb

M880 TRANSMITTERS



TECHNICAL DATA

Casing material	Charged nylon UL94 HB
Degree of protection	IP 65 (Modin IP 20)
Operating and storage temperature	-25°C - +55°C / -40°C - +85°C
STOP	PLe Cat.4 (ISO 13849-1:6.2.7 architecture)
Command JOYSTICK	PLd Cat.3 (ISO 13849-1:6.2.6 architecture)
LEVER - BUTTON	PLc Cat.2 (ISO 13849-1:6.2.5 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 / 330 ft
Autonomy at 20°C	≈ 25 hours

OPTIONS

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

WAVE2 S / L

Dimensions
72 x 42 x 190 mm
2.83 x 1.65 x 7.48 in

Weight
235 g
0,51 lb

Dimensions
72 x 42 x 255 mm
2.83 x 1.65 x 0,56 in

Weight
315 g
0,69 lb



MODIN

Dimensions
180 x 120 x 73 mm
7.08 x 4.72 x 2.87 in

Weight
900 g
1,98



RAY EP / CP

Dimensions
180 x 80 x 43 mm
7.08 x 3.15 x 1.70 in

Weight
350 g
0,77 lb

Dimensions
162 x 80 x 43 mm
6.37 x 3.15 x 1.70 in

Weight
350 g
0,77 lb



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SERIES M880

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