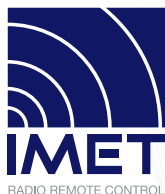


M880 RECEIVERS



H AC / H DC



L AC / L DC



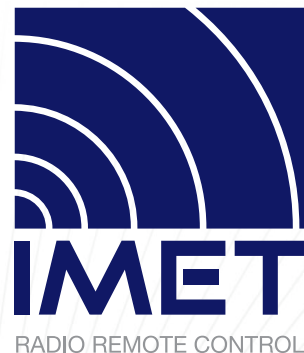
S AC / S DC



M AC

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
Supply voltage	H AC: 45-240 VAC (50-60Hz); H DC: 11÷30 VDC e 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
Generic 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	PLe Cat 4, ISO 13849-1	PLe Cat 4, ISO 13849-1	PLe Cat 4, ISO 13849-1
Field BUS	CANOpen (ID 11-29 bit) (1Mbit/s max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) RS232 / RS485 (115200 Baud max)	CANOpen (ID 11-29 bit) (1Mbit/s max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) RS232 / RS485 (115200 Baud max) Profinet, Ethernet IP	CANOpen (ID 11-29 bit) (1Mbit/s max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) RS232 / RS485 (115200 Baud max)	CANOpen (ID 11-29 bit) (1Mbit/s max) CAN_Bus (ID 11-29 bit) (1Mbit/s max) RS232 / RS485 (115200 Baud 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

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



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ARES2 - ARES2.1

Dimensions	Dimensions	Weight
143 x 80 x 143 mm	143 x 80 x 152 mm	700 g
5.63 x 3.15 x 5.63 in	5.63 x 3.15 x 5.98 in	1,54 lb

AXT

Dimensions	Weight
120 x 63 x 161 mm	500 g
4.73 x 2.48 x 6.34 in	1,10 lb



KRON

Dimensions	Weight
180 x 107 x 160 mm	900 g
7.08 x 4.21 x 6.30 in	1,98 lb



ZED

Dimensions	Weight
214 x 107 x 162 mm	1000 g
8.42 x 4.21 x 6.38 in	2,20 lb

ZEUS2

Dimensions	Weight
205 x 150 x 150 mm	1450 g
8.07 x 5.90 x 5.90 in	3,197 lb



THOR2

Dimensions	Weight
295 x 180 x 160 mm	2300 g
11.61 x 7.08 x 6.30 in	5,07 lb



TITAN

Dimensions	Weight
400 x 230 x 170 mm	4000 g
15.7 x 9.05 x 6.7 in	8,81 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
Command	STOP JOYSTICK LEVER - BUTTON
Operating frequency 1	PLc Cat.4 (ISO 13849-1:6.2.7 architecture) PLd Cat.3 (ISO 13849-1:6.2.6 architecture) PLc Cat.2 (ISO 13849-1:6.2.5 architecture)
Operating frequency 2	I.S.M. Band 433.050-434.790 MHz
Operating frequency 3	I.S.M. 434.040-434.790 MHz
Operating frequency 4	2,4 GHz, 38 ch
Operating frequency 5	I.S.M. Band 863.100-869.850 MHz
Range	Band 915.200-927.800 MHz
Autonomy at 20°C	100 m / 330 ft ≈ 25 hours

OPTIONS

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

WAVE2 S / L

Dimensions	Weight
72 x 42 x 190 mm	235 g
2.83 x 1.65 x 7.48 in	0,51 lb
Dimensions	Weight
72 x 42 x 255 mm	315 g
2.83 x 1.65 x 0,56 in	0,69 lb



MODIN

Dimensions	Weight
180 x 120 x 73 mm	900 g
7.08 x 4.72 x 2.87 in	1,98



RAY EP / CP

Dimensions	Dimensions	Weight
180 x 80 x 43 mm	162 x 80 x 43 mm	350 g
7.08 x 3.15 x 1.70 in	6.37 x 3.15 x 1.70 in	0,77 lb

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