

# M880 Receivers



**H**

Weight Dimensions  
3500 g 205 x 130 x 280 mm

**L**

Weight Dimensions  
1700 g 140 x 65 x 230 mm

**M**

Weight Dimensions  
910 g 180 x 120 x 73 mm

## Technical Data

	H AC / H DC	L AC / L DC	M AC
<b>Supply voltage</b>	H-AC: 45-240 Vac (50-60 Hz); H-DC: 11-30Vdc and 24 Vac (50-60 Hz)	L-AC: 24-240 Vac (50-60 Hz); L-DC: 11-30Vdc	12-30Vdc / 24 Vac (50-60 Hz)
<b>Safety commands</b>	STOP, Safety-Enable (up to 8)	STOP, Safety-Enable	STOP, Safety-Enable
<b>Commands</b>	73* relays or MOS, 32* Analog (PWM, current, voltage)	16 relays or 20 MOS, 8 Analog (PWM, current, voltage)	24 relays (20 N.O. and 4 N.C./N.O.) (Current, voltage)
<b>Service commands</b>	Start, Horn, Timed-Relay	Start, Horn, Timed-Relay	Start, Horn (Among the 24 relays)
<b>Input port</b>	CAN, Serial 232/485	CAN, Serial 232/485	CAN, Serial 232/485
<b>STOP relay category</b>	PLe, ISO 13849-1:2006 6.2.7 architecture	PLe, ISO 13849-1:2006 6.2.7 architecture	PLe, ISO 13849-1:2006 6.2.7 architecture
<b>Communication protocols</b>	CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232/ RS485	CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232 / RS485	CAN (ID 11-29 bit) CANOpen (ID 11-29 bit) RS232 / RS485
<b>Operating temperature</b>	-25°C - +70°C	-25°C - +60°C	-25°C - +70°C
<b>Degree of protection</b>	IP 66	IP 66	IP20

Müşteri Danışma Hattı

444 VINC  
444 84 62

Güralp Vınc ve Makina Konstrüksiyon Sanayi ve Ticaret A.Ş.  
Merkez : Yedi Eylül Mahallesi Ümit Tunçağ Caddesi No:4 Torbalı İzmir  
İstanbul Bölge : Emek Mah. Baran Sk. No:4 Sancaktepe İSTANBUL  
Bursa Bölge : Nilüfer Ticaret Merkezi 62 Sok.No:6 Nilüfer Bursa  
Ankara Bölge : 1471 Sk. (Eski 687 Sk.) No:91/D İvedik O.S.İvogsan Ostim ANKARA  
Konya Bölge : Büyükkayacık Mah.Ankara Cad.KOS Girişi No:294B Selçuklu Konya



ISO 3834-2 EN 1090 ISO 9001

\*: depending on the configuration

T: 0.232.853 18 66 F: 0.232.853 18 67 @: guralp@guralpvinc.com.tr  
T: 0.216.466 57 01 F: 0.216.415 85 56 @: istanbul@guralpvinc.com.tr  
T: 0.224.441 10 89 F: 0.224.441 10 90 @: bursa@guralpvinc.com.tr  
T: 0.312.394 78 51 F: 0.312.394 78 50 @: ankara@guralpvinc.com.tr  
T: 0.332.352 22 36-38 F: 0.332.352 22 37 @: konya@guralpvinc.com.tr



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# M880 Transmitters



**ARES2 C**

Weight Dimensions  
667 g 143 x 80 x 140 mm



**ZEUS2 B2**

Weight Dimensions  
1450 g 205 x 150 x 150 mm



**KRON M2**

Weight Dimensions  
880 g 180 x 107 x 160 mm



**WAVE2 s / I**

Weight Dimensions  
445 g 75 x 43 x 245 mm      Weight Dimensions  
375 g 75 x 43 x 180 mm



**THOR2 X**

Weight Dimensions  
2300 g 295 x 180 x 160 mm

## Technical data

**Casing material**

Charged Nylon UL94 HB

**Degree of protection**

IP 65

**Operating and storage temperature**

-25°C - +70°C / -40°C - +85°C

**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)

**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

**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 retro fit kit, Tilt Sensor, Serial Cable, Diagnostic tool, MTRS.