

# ONWA<sup>®</sup>

MARINE ELECTRONICS



KCR-160 Digital Compass Repeater

KA-GC9A  
9-axis Electronic Compass

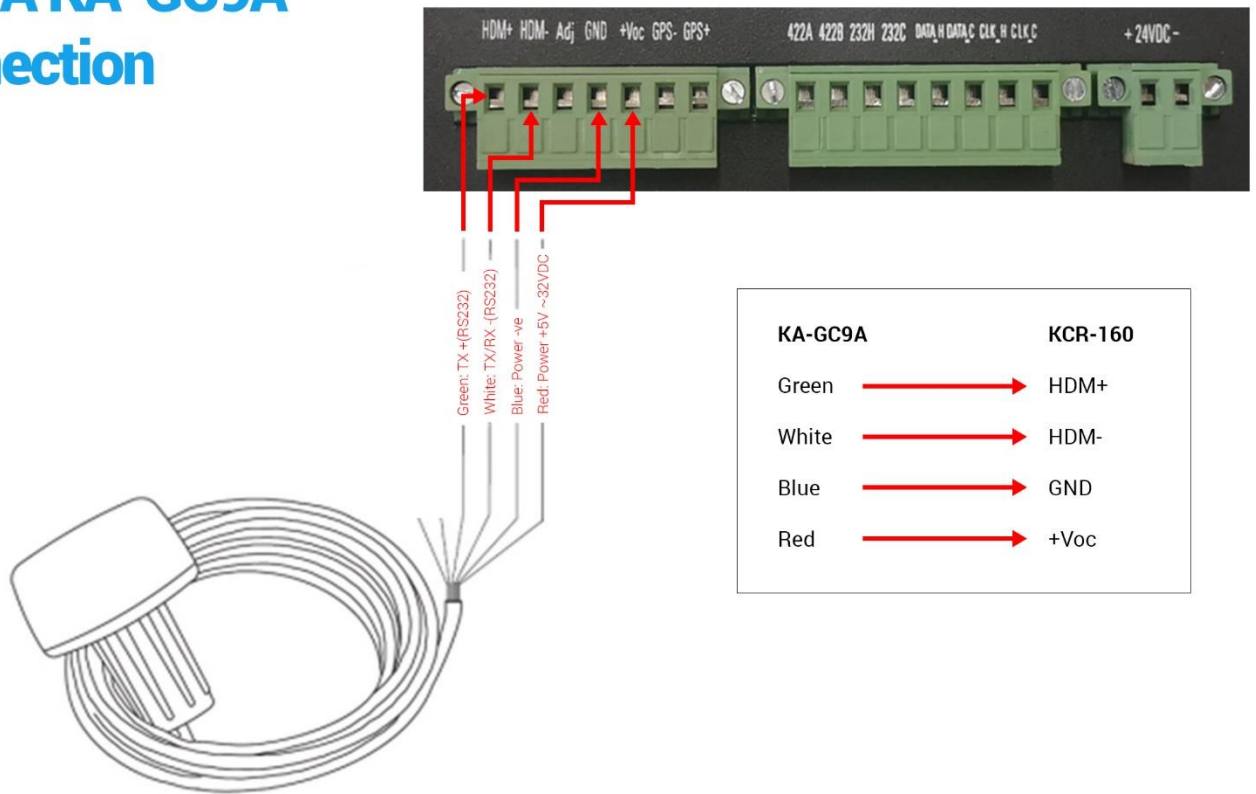
## MODEL

# KCR-160S

## Digital Compass System

- Total solution marine electronic compass
- 4-Digit LED Heading Display readout
- Analog heading indicator by a rotating LED light
- Accuracy up to +/-0.1 degree
- Provides 2 NMEA0183 heading outputs
- Electrical interface of output ports supports RS232, RS422 and RS485
- Wide range power supply 9V~32VDC
- Reverse power polarity protection
- Easy installation

# ONWA KA-GC9A Connection



## SPECIFICATIONS & DIMENSIONS

<b>Dimension:</b>	200 x 200 x 27mm
<b>Weight:</b>	1.2kg
<b>Compass safe distance:</b>	1m
<b>Waterproof:</b>	IP66
<b>Working temperature:</b>	-20°C to 70°C
<b>Humidity:</b>	Lower than 95%
<b>Scale accuracy:</b>	1.5°
<b>Digital display accuracy:</b>	± 0.2
<b>Track Rate:</b>	45°/s
<b>Power supply:</b>	9V – 36VDC, 0.20A at 24VDC
<b>Input data:</b>	RS-422, RS-485 or RS-232
<b>Output data:</b>	RS-422, RS-485, RS-232
<b>Input data format:</b>	NMEA 0183(HDT or HDM), baudrate: 4800, no priority, 1 stop bit
<b>Output data format:</b>	AD-10 and NMEA 0183(HDT), baudrate: 4800, no priority, 1 stop bit

