交流电监测模块

- 监测交流电电源,将信息输出到NMEA 2000® 网络
- 监测公共用电(岸电), 发电机, 和总线电源
- 提供电压,电流,频率,真实功率,反应功率,表面功率,功率因子,和输入及输出能量
- 支持单相和三相系统
- 密封式防水外壳

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直流电监测模块

- 监测直流电电源,将信息输出到NMEA 2000® 网络
- 测量任何直流电电源或负载的电压及电流
- 先进的电瓶监测,包括监测温度,负载电流,充电电流,和终端电压
- 计算电瓶充电状态及电量剩余可用时间
- 使用霍尔效应(Hall-Effect) 互感器,只要滑过电线即可测量电流－毋须切断线路以安装分流器 (Shunt)

DCM100 Direct Current Monitor

Maretron's DCM100 Monitor is an advanced electronic monitoring device used to measure the voltage and current of any direct current (DC) power source or load. Examples of DC power sources that can be monitored with the DCM100 include batteries, alternators, solar panels, and wind generators. The DCM100 can also be used to monitor DC loads like inverters, windlasses, DC refrigerators, or any DC branch circuit. When the DCM100 is used to monitor batteries, sophisticated circuitry and software algorithms monitor battery temperature, load current, charging current and terminal voltage to precisely compute battery state of charge, state of health, and time remaining. To measure current, the DCM100 uses an included state-of-the-art Hall effect current sensor which simply slips over the wire – you don't have to break connections or install connectors as you do with inline shunts used by other solutions. Best of all, the DCM100 is NMEA 2000® certified so you can view any and all DC information anywhere on the vessel using a compatible NMEA 2000® display. The DCM100 is a key component of Maretron's N2KView® vessel monitoring and control system.

- Battery Voltage
- Battery Current
- Ripple Voltage
- Battery Case Temperature
- State of Charge
- Time Remaining
- Charge Efficiency Factor

Products

PART NUMBER	DESCRIPTION
DCM100-01	Direct Current (DC) Monitor
F031	DCM100 Battery Harness with Fuse
LEM/HTA200-S	DCM100 Current Transducer with Cable
TR3K	DCM100 Temperature Sensor

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直流电继电器模块 DCR100

- 经由 NMEA 2000® 网络来控制六个 10 安培的继电器 (Solid State Relay)
- 当切断 NMEA 2000® 电源供应时 – 所有电路电源均会被关闭, 重新供电时 – 所有电路回到最后的开启或关闭状态
- 可透过 DSM250 和 N2KView® 控制模块的“开关”组件来控制
- 每一电路均可监测电流流量 (可侦测并提示灯泡是否烧坏)
- 可透过 N2KView® 警报与控制模块或 DSM250 的报警动作来启动开关 (非常适合用于汽笛, 钟, 及警报灯号)

DCR100 Direct Current Relay Module

Maretron's DCR100 contains 6 Direct Current (DC) relays, each capable of switching up to 10 amps. The DCR100 connects directly to an NMEA 2000® network, so you can turn on and off the relays from any device onboard or remotely running Maretron's N2KView® software. The DCR100 easily handles resistive DC loads like lights, or inductive DC loads like pumps and motors. The DCR100 can also be used to switch AC circuits using external relays. An added benefit of the DCR100 is that it reports the current through each of the six channels. This allows you to determine if loads are drawing too little electrical current such as burnt out bulbs, or if the loads are starting to draw too much electrical current.

Products

PART NUMBER	DESCRIPTION
DCR100-01	Direct Current Relay Module

- Six Relays for On / Off Control Over NMEA 2000® Network
- Each Relay Capable of Carrying Up to 10 amps
- Individual Relay Electrical Current Monitoring
- Automatic Relay Over Current Shutdown (Shuts Down at ≈ 12 amps)
- Automatic Relay Thermal Shutdown (Over Temperature Protection)

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运转指示器模块 RIM100

- 监测交流与直流电路, 将其运转状态传输至到 NMEA 2000®网络
  - ✓ 手动或自动开关负载
- 指示不同的设备是否在运转中
  - ✓ 舱底泵
  - ✓ 绞盘
  - ✓ 运转灯
  - ✓ 油料转移泵
  - ✓ 机舱排气/进气风扇

RIM100 Run Indicator Module

Maretron's Run Indicator Module monitors both AC and DC electrical circuits and reports, over an NMEA 2000 network, whether or not the electrical circuit is energized and running. The RIM100 works equally as well for monitoring manually switched loads (e.g., running lights, anchor lights, or deck lights) as it does for automatically switched loads. Monitoring automatically switched loads (e.g., bilge pumps, engine exhaust/intake fans, and transfer pumps) via the RIM100 is especially useful because you know exactly when equipment is, or isn't running.

- Monitors and reports the running status of connected devices
- Works with both AC and DC loads
- Works with both automatically and manually switched loads
- Can indicate the status of a wide variety of loads
  - Bilge Pumps
  - Winches
  - Running Lights
  - Transfer Pumps
  - Exhaust/Intake Fans

Products

PART NUMBER	DESCRIPTION
RIM100-01	Run Indicator Module

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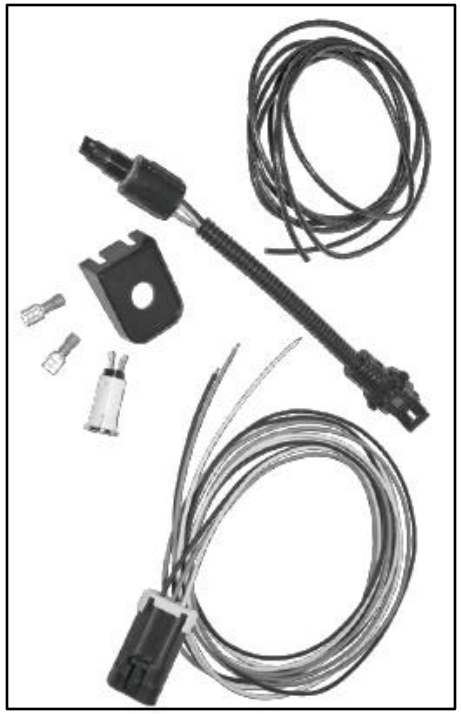
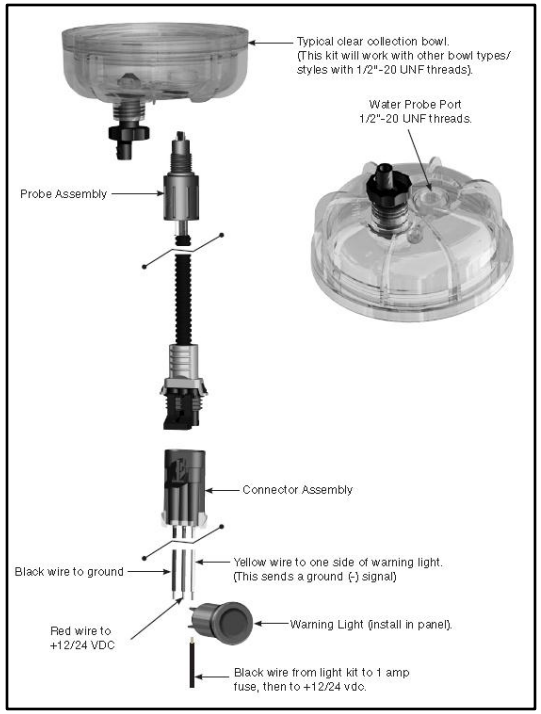
燃油中含水的传感器

- **Maretron 零件料号 WIF-RK30880E**
- **连接到运转指示器模块 (RIM100) (感应跨越在警示灯的电压)**
- **燃油中含水传感器为完整的燃料监测系统中的一部分**



RK30880E Kit Parts



Installation Diagram

http://www.maretron.com/support/knowledgebase/knowledgemanager/questions/476/Can+I+use+the+RIM100+to+indicate+%22Water+In+Fuel%22%3F

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