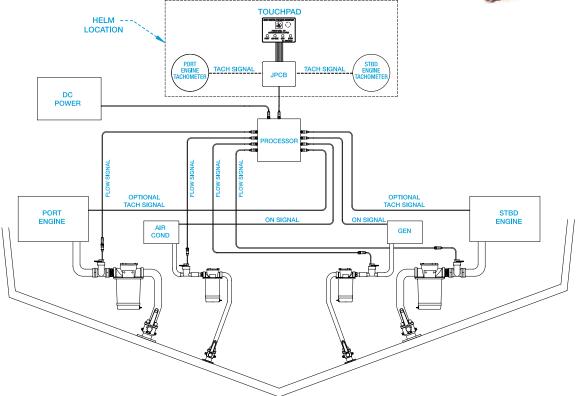


THE CONCEPT

SSA is a patented system that alerts the vessel operator visually and audibly to the significant reduction of raw water flow to any connected device. You are alerted faster than traditional gauges or sensors (about 7 seconds) – fast enough to allow you to react and investigate – fast enough to prevent damage BEFORE it occurs.

Models are offered to monitor flow to engines, generators, air conditioners, R/O systems or combinations of these consumers, and the tournament fisherman model monitors flow to multiple live wells.





SSA-4 SAMPLE INSTALLATION

HOW IT WORKS

Sensors, hose sizes 5/8" to 6", installed in each raw water line send flow data to the processor, and each device sends an "on" signal when it is operating. If flow to any of the devices falls below calibrated "normal" you are alerted audibly, and an LED identifies the device requiring maintenance or service.

In an emergency the sensor can be removed from the bronze housing to allow water to be pumped from a flooded bilge. All housings accept GROCO_® SBVSA-1505 Service Adaptor for winterization or system flushing.

| MODEL | MAX DEVICES CONNECTED | DEVICE DESCRIPTION | INDICATOR | NMEA2000 | |
|---------|-----------------------|--|---------------------|-------------|--|
| SSA-1GB | 1 | Propulsion Engine | 2-5/8" Gauge, Black | N/A | |
| SSA-1GW | 1 | Propulsion Engine | 2-5/8" Gauge, White | N/A | |
| SSA-3 | 3 | 1 engine, 1 generator, 1 air conditioner | Touchpad | Coming Soon | |
| SSA-4 | 4 | Up to 2 engines and up to 2 AC or DC pumps | Touchpad | Coming Soon | |
| SSA-4B | 4 | Up to 4 AC or DC baitwell pumps | Touchpad | Coming Soon | |
| SSA-7 | 7 | Up to 3 Engines, up to 4 AC or DC pumps | Touchpad | Coming Soon | |

HOW TO DESIGN YOUR SYSTEM

Step-1: Select the Touchpad. Your selection identifies how many devices you will connect and what the devices are.



Touchpad #31 Engine, AC, Gen



Touchpad #41 Engine, Engine, AC, Gen



Touchpad #43 4 AC or 4 DC Pumps



Touchpad #71 Engine, Engine, AC, AC, AC, Gen, Gen



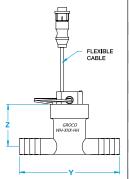
Touchpad #72 Engine, Engine, AC, AC, Gen, Gen, R/O or Refrigeration



Touchpad #73 Engine, Engine, AC, AC, AC, Gen, R/O or Refrigeration

After Step-1: Sample System Part Number = SSA41- _ _ _ -

Step-2: Select Sensor Plumbing Code from chart below to match existing plumbing (specify in alphabetic order).



| SENSOR | HOSE ID | PLUMBING CODE | SENSOR | NPT | PLUMBING CODE | DIMEN Y | ISIONS Z |
|-------------|---------|------------------|-------------|--------|------------------|------------|-------------|
| SSA-625-HH | 5/8" | W | - | - | - | 4.8 | 2.0 |
| SSA-750-HH | 3/4" | В | SSA-750-PP | 3/4" | Α | 4.8 | 2.0 |
| SSA-1000-HH | 1" | D | SSA-1000-PP | 1″ | C | 4.8 | 2.2 |
| SSA-1250-HH | 1-1/4" | F | SSA-1250-PP | 1-1/4" | Ε | 4.8 | 2.3 |
| SSA-1500-HH | 1-1/2" | Н | SSA-1500-PP | 1-1/2" | G | 5.2 | 2.4 |
| SSA-2000-HH | 2" | K | SSA-2000-PP | 2″ | J | 5.2 | 2.7 |
| SSA-2500-HH | 2-1/2" | М | SSA-2500-PP | 2-1/2" | L | 5.2 | 2.9 |
| SSA-3000-HH | 3″ | Р | SSA-3000-PP | 3″ | Ν | 5.2 | 3.0 |
| SSA-4000-HH | 4″ | R | SSA-4000-PP | 4″ | Q | 5.2 | 3.6 |
| SSA-5000-HH | 5″ | T | SSA-5000-PP | 5″ | S | - | - |
| SSA-6000-HH | 6″ | V | SSA-6000-PP | 6" | U | - | - |



After Step-2: Sample System Part Number = SSA41-BDKK-_

Step-3: Identify the source of engine(s) RPM signal.

Monitoring a propulsion engine requires an RPM signal. RPM data can be obtained from either of 3 sources, the source becomes the final number in the system part number.

Choose suffix -1 if you will obtain RPM from a helm-mounted analog tachometer.

Choose suffix -2 if you will obtain RPM from the signal generator on each engine.

Choose suffix -3 if you will obtain RPM from the engine J1939 connector or ECU.

After Step 3: Completed Sample System Part Number = SSA41-BDKK-1

