



Tinley Gravity Change Over Switch using Speed Sensors

Mounting Gravity COS

Unit must be mounted upright as accurately as possible!

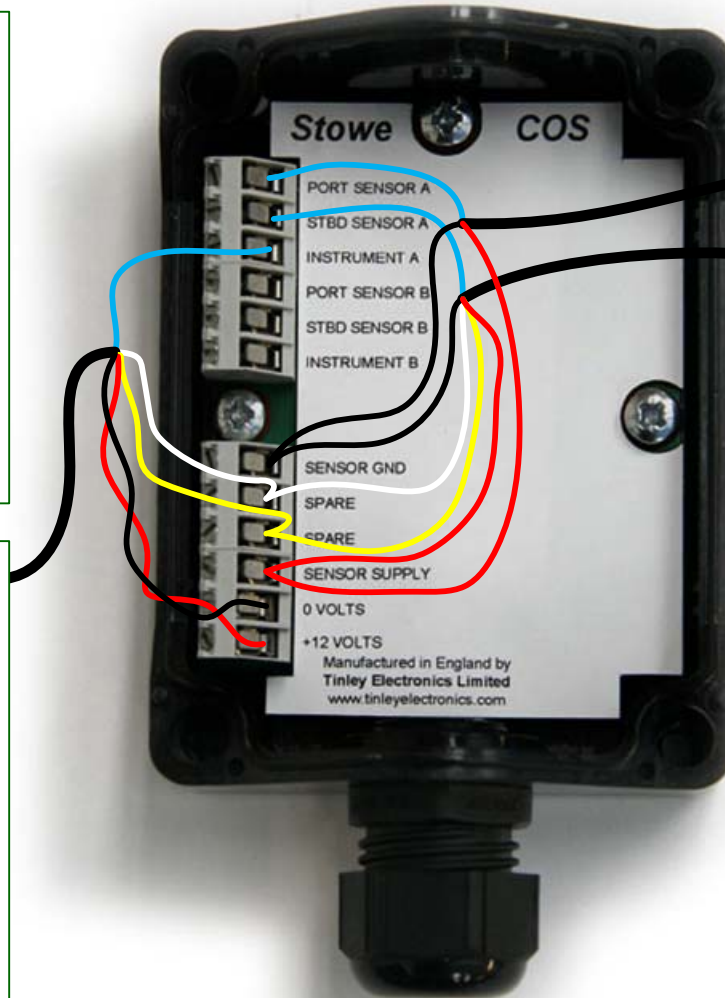
Unit must normally be mounted on a bulkhead with label facing aft for connections as shown. Optionally you can mount with label facing forward if you swap port and starboard transducer connections.

Speed Instrument


For Dataline instruments connect to Databox Speed Sensor connections colours as shown

For Navigator and other instruments connect to power supply using a 250mA fuse

Input supply 10-16 Volts 50mA



Software Version 1.00



Port Sensor

Temperature sensor should only connect to one or other sensor
This diagram shows the Starboard sensor connected

Starboard Sensor

Connections shown are for Stowe 'Type B' sensors:
Red = 12V, Black = 0V, Blue = Speed
White = Temperature, Yellow = Temperature

For Stowe 'Type R' speed sensors with only a single core, connect inner cores to corresponding 'Sensor A' and 'Instrument A' connections and outer screens to 'Sensor B' and 'Instrument B' connections

Compass safe distance: 200mm



Tinley Gravity Change Over Switch using Depth Transducers

Mounting Gravity COS

Unit must be mounted upright as accurately as possible!

Unit must normally be mounted on a bulkhead with label facing aft for connections as shown. Optionally you can mount with label facing forward if you swap port and starboard transducer connections.

Depth Instrument

Instrument Depth connections

Power Supply

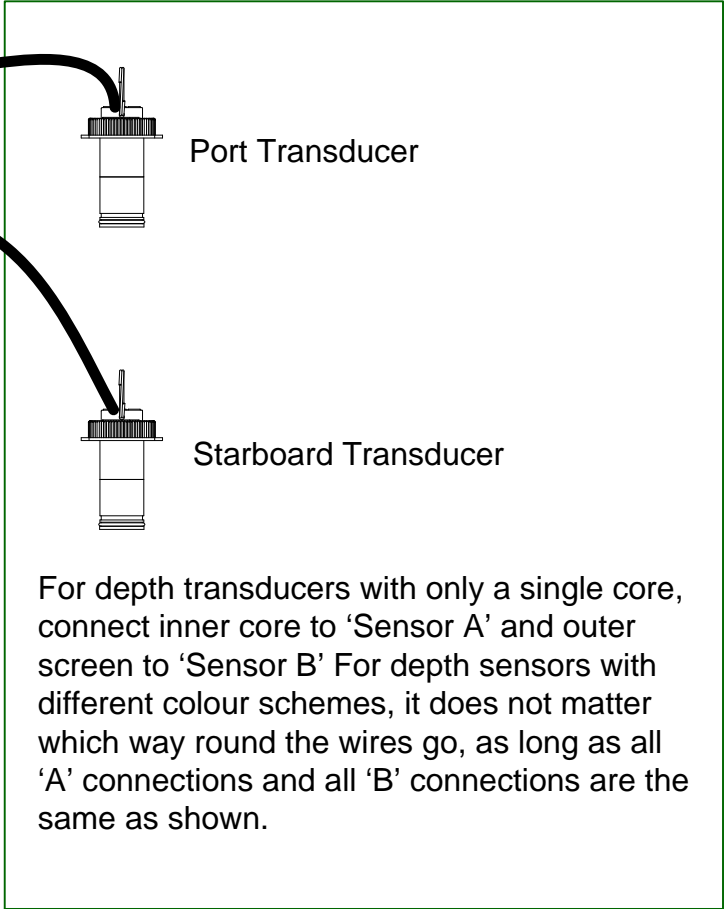
For Dataline instruments connect to Dataline Bus via a separate cable Red and Black as shown

For Navigator and other instruments connect to power supply using 250mA fuse

Input supply 10-16 Volts 50mA



Software Version 1.00



Compass safe distance: 200mm



Gravity Change Over Switch with NMEA Option

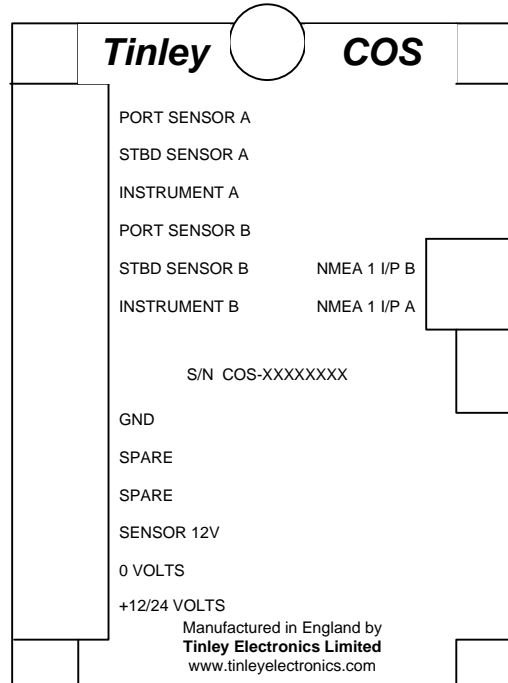
Mounting Gravity COS

Unit must be mounted upright as accurately as possible if gravity switch is going to be used.

Unit must normally be mounted on a bulkhead with label facing aft for connections as shown. Optionally you can mount with label facing forward if you swap port and starboard transducer connections.

Power Supply

Input supply 10-16 Volts 50mA



Software Version 1.01

NMEA 0183 Input

\$--MwV,xxx.x,,,A*hh

Wind angle is extracted.

If wind angle > 0 and < 180 degrees, (Starboard tack), Port sensor is selected.

If no valid sentence is received for more than 10 seconds unit automatically reverts to using gravity switch.

Compass safe distance: 200mm