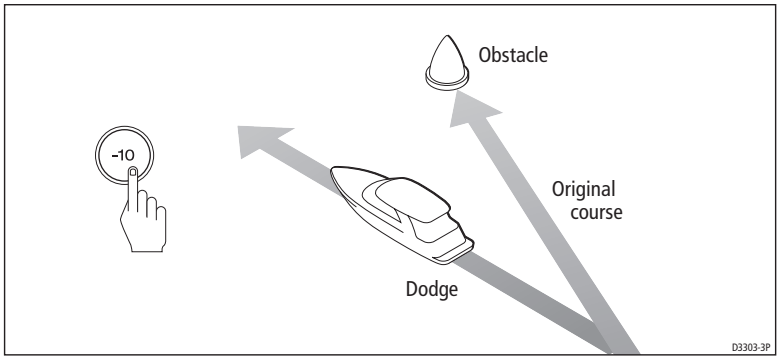
Can I dodge an obstacle and then resume course?

To avoid an obstacle when your boat is under autopilot control, you can dodge the obstacle and then resume your previous course.



1. Select a course change in the appropriate direction. For example, press **-10** three times for a 30°dodge to port.
2. When safely clear of the obstacle, reverse the previous course change (for example, press **+10** three times).

1.4 How do I adjust the performance of my SmartPilot?

The principal method of adjusting the performance of SmartPilot systems is by changing the response level. This is the only user adjustment you should need to make to your SmartPilot on a regular basis.

The response level controls the relationship between the SmartPilot's course keeping accuracy and the amount of helm/drive activity. When you turn on your SmartPilot it will always be at the default level. (This level can be adjusted in User Calibration *see page 24)*

When you require extra tight course keeping (e.g. for pilotage in confined and sheltered waters), increase the setting. If you want to minimize drive activity and conserve battery power, decrease the setting.

You can make temporary adjustments to the response level when using your SmartPilot on a day-to-day basis. By doing this you can match performance to conditions as they occur.

Note: *You will lose these temporary changes to response level whenever the system is powered off. You can make permanent adjustments in User Calibration (See page 24). This determines the default power-up response level.*

Adjusting performance – S1G, S2G and S3G systems

S1G, S2G and S3G systems have 9 levels of response:

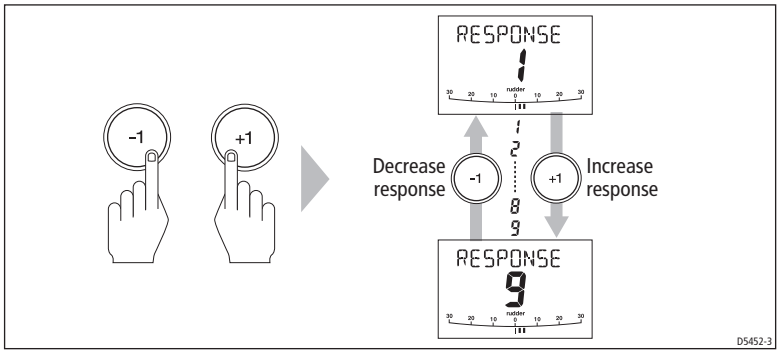
- **level 9 to 7** give the tightest course keeping and greatest rudder activity (and power consumption). This can lead to a rough passage in open waters as the SmartPilot may 'fight' the sea.
- **levels 6 to 4** should give good course keeping with crisp, well controlled turns under normal operating conditions.
- **level 3 to 1** minimizes the amount of pilot activity. This conserves power, but may compromise short-term course-keeping accuracy.

With these points in mind, you should use the following procedure to make temporary adjustments to the response level when required:

1. Display the RESPONSE screen by pressing the **-1** and **+1** buttons together momentarily.

Note: *The* RESPONSE *screen is set as a default data page (see SmartPilot Commissioning Guide) so you can also access it by pressing* **disp** *and then scrolling through the data pages.*

2. Press **-1** or **+1** to change the response level.



3. Press **disp** or wait for 5 seconds to return to the previous display.

Adjusting performance – Non-G systems

Non-G SmartPilot systems have three different response levels:

- **Response Level 1: AutoSeastate on (Automatic deadband)**

  The SmartPilot will gradually ignore repetitive boat movements and only react to true variations in course. This provides the best compromise between power consumption and course keeping accuracy.

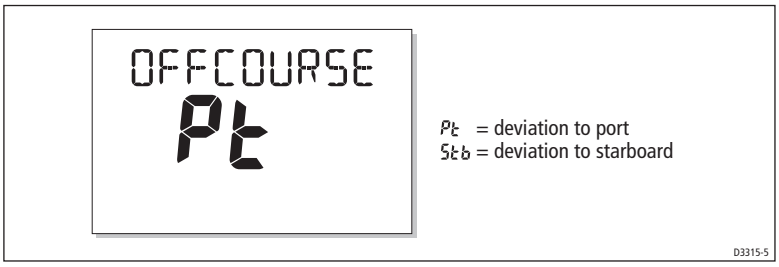
- **Response Level 2: AutoSeastate off (Minimum deadband)**
  This setting provides tighter course keeping but will lead to increased power consumption and drive unit activity.
- **Response Level 3: AutoSeastate off + yaw damping**
  This setting provides the tightest possible course keeping by introducing counter rudder yaw damping You can adjust the counter rudder setting in Dealer Calibration (see *SmartPilot Commissioning Guide*).

To make a **temporary** change to the response setting:

1. Display the RESPONSE screen by pressing the **-1** and **+1** buttons together.
2. Press **-1** or **+1** to change the response between levels 1 to 3.
3. Press **disp** or wait for 5 seconds to return to the previous display.

Note: *You will lose these temporary changes to response level whenever the system is powered off. You can make permanent adjustments in User Calibration (see page 24).*

Off Course warning



The SmartPilot warns you when you have been off course from the locked heading for longer than 20 seconds. It shows whether the deviation is to port or starboard.

Note: *The default off course angle is set at 20°. You can adjust this angle in Dealer Calibration (see SmartPilot Commissioning Guide).*

1. To cancel the off course warning, press **standby** to return to manual steering.
2. Check whether your boat is carrying too much sail, or whether the sails are badly balanced. You can usually significantly improve course keeping by improving the sail balance.

Note: *The SmartPilot also clears the warning if the heading recovers or if you change course.*