

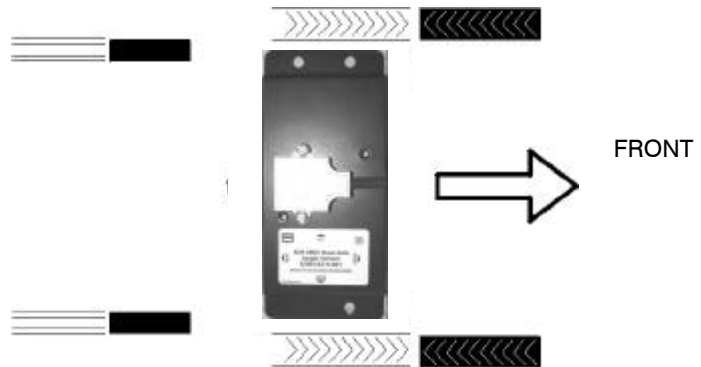
Item:	Part Number:	Description:	Qty:
1	S/SR/182-9-001	Mk 5 Angle Sensor Assembly	1
2	S/CB/500-1-035	Sensor Extension Cable	1
3	S/FSNR/601	M6 x 30 S.S Hex. Bolt	3
4	S/FSNR/940205	M6 Large Washer	3
5	S/FSNR/406	M6 'Nyloc' Nut	3
6	S/CBL/TIE/001	Cable Tie - Small	25
#	S/DC/500-10-218	Instruction Leaflet	1

Movement over sloping ground alters the distribution of grain on the elevator paddles and affects grain measurement. The angle sensor compensates for this effect. It measures the angle of slope in two axes:- left-right (L-R) and front-rear (F-R) giving a voltage output from 2V to 4V (-15° to +15°). It has no moving parts and does not contain silicone oil.

### Mounting the angle sensor:- standard orientation

Mount the sensor housing onto a convenient horizontal panel (where it cannot accidentally get hit) using the M6 fasteners supplied. If there is no suitable horizontal panel then mount the sensor onto a rearward facing vertical panel using a suitable right-angled mounting bracket (not supplied). **The labelled face must be uppermost and sit level with the machine in both axes.** The label also indicates the standard orientation. In the standard orientation the cable exits from the front face of the housing (figure 1). Secure the sensor cable and connector with cable ties. Connect the extension cable and route forward to the junction box. Cable-tie where possible to an existing wiring loom or hydraulic lines.

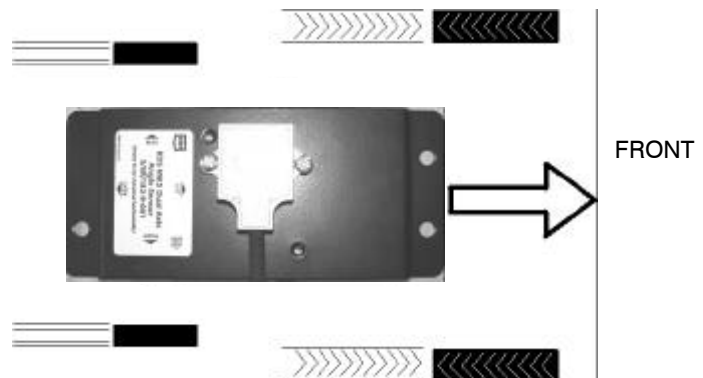
**Figure 1**  
 Standard orientation for the dual axis angle sensor



### Mounting the angle sensor:- non-standard orientation

If mounting in the standard orientation is not convenient - e.g. for cable entry etc, then you can mount the housing rotated 90° CLOCKWISE from the standard orientation given on the label (note that the top face must always be level). To maintain the correct inputs to the head unit, reverse the green and yellow wires in the junction box, i.e. green to the 'F-R' terminal and yellow to the 'L-R' terminal.

**Figure 2**  
 Non-standard orientation for the dual axis angle sensor



### Connecting the angle sensor

Wire Colour	Function	J/Box Terminal
Blue	0V	'HILLSIDE SNR' - 0V
Red	+V Supply	'HILLSIDE SNR' - +V'
Green*	Left/Right Signal	'HILLSIDE SNR' - L-R'
Yellow**	Front/Rear Signal	'HILLSIDE SNR' - F-R'

\* For standard orientation.

\*\* Connect the *yellow* wire to BLUE - 2 for L-R signal, if the sensor is mounted in the non-standard orientation (figure 2). The Front-Rear signal output is not used.