



# OVERHEAD CABLE DETECTOR

## Guidance for working safely near overhead power lines

The Amber Valley HVDS detects the presence of overhead power lines by sensing the electrical field which they generate. Therefore the HVDS will only detect overhead power lines when they are energised. An extremely dangerous situation can occasionally occur when overhead power lines are temporarily switched off as the HVDS would not detect the presence the overhead lines which could become re-energised at any time. When using a vehicle fitted with a Amber Valley HVDS the following safe working procedures should be ALWAYS carried out.

- BE PARTICULARLY CAUTIOUS WHEN PASSING THROUGH AREAS WHERE THE HVDS HAS PREVIOUSLY DETECTED POWER LINES
- ALWAYS VISUALLY INSPECT YOUR WORK AREA AND FAMILIARISE YOURSELF WITH THE POSITION OF OVERHEAD CABLES.
- FIND OUT the maximum height and maximum vertical reach of your machines and those used by contractors.
- FIND OUT the routes of ALL overhead lines on your land or near your boundaries. Mark them on a map. The electricity company will give you this information.
- MAKE SURE you have information about all the lines on your land - if not, contact the owners of those lines.
- MAKE SURE you have details of the maximum working heights permitted under each span of overhead line on your land and adjacent to each structure. Mark these on a map.

## Sensitivity Adjustment of the Amber Valley HVDS

The Amber Valley HVDS can be adjusted for sensitivity by the operator.

The HVDS is preset for optimal sensitivity, i.e. good detection range with minimal false alarms. If however greater/lesser sensitivity is required please carry out the following procedure.

- Locate the adjustment pot as detailed below.
- Carefully adjust the pot taking care not to adjust the pot beyond it's limits.

**THE HVDS IS FACTORY SET FOR OPTIMUM DETECTION. AMBER VALLEY DOES NOT RECOMMEND USER ADJUSTMENT OF THE SENSITIVITY.**

