

Appendix 5 Recommended Detector Settings

The following should be followed when setting up detectors for traffic signals. This advice note should be followed unless otherwise indicated on the controller data change sheet. If it is found that the detector will not work on the recommended settings then a fault should be assumed and further investigations carried out into the loops, joints and feeder cable.

System-D (xyz loops)

These loops are found on both junctions and pedestrian crossings. They should be set with presence time as close to 5 minutes as possible, and the highest sensitivity that will work reliably without chattering.

SD Loops

Both loops should be set to the same sensitivity and should be a medium setting. Crosstalk should be avoided by adjusting the centre frequency of one channel not by reducing the sensitivity. They should both be set with the lowest possible presence time.

MOVA Loops

MOVA loops should be set with a medium sensitivity except stopline loops which should be the highest sensitivity. They should be set with the lowest possible presence time.

P-Loops (turning loops) and queue loops

P-loops and queue loops should be set with the highest sensitivity that works reliably. However, as they are often associated with a call-cancel function they should be set with a presence time as close to 5 minutes as possible.

SCOOT Loops

SCOOT loops should be set to a medium sensitivity; however care needs to be taken to ensure that the detector is not operated by vehicles in an adjacent lane. If this occurs the sensitivity should be reduced in stages until this false triggering is eliminated. SCOOT loops should be set with a medium or high presence time (depending on detector type, some only have low/high others have a medium setting which should be used).