PIR18MWP External PIR sensor with Chatterbox voice sounder

IMPORTANT : This equipment must be installed by a competent electrician. All wiring must comply with the IEE regulations plus any local building codes.

Please read these instructions before attempting to operate the product.

WARNING : To prevent fire or shock hazard, do not expose the controller to rain or moisture while the lid is removed. If the controller is to be installed outdoors, ensure it is installed in accordance with these instructions.

CAUTION : RISK OF ELECTRIC SHOCK : Do not remove the cover from the controller with the power applied. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

INSTALLATION

Mount the unit securely to the chosen surface ensuring that the surface is solid and not prone to moving.
Use 7/0.2 alarm cable (minimum 4 core) to connect the sensor(s) to the TAM401WP control unit. This is suitable for up to a 100-metre cable run. For multiple sensors the wiring can either be daisy-chained from one sensor to the next or individually wired back to the TAM401WP controller. If different messages are required for each sensor, then the S terminal should be individually connected.

SITING THE PIR SENSORS

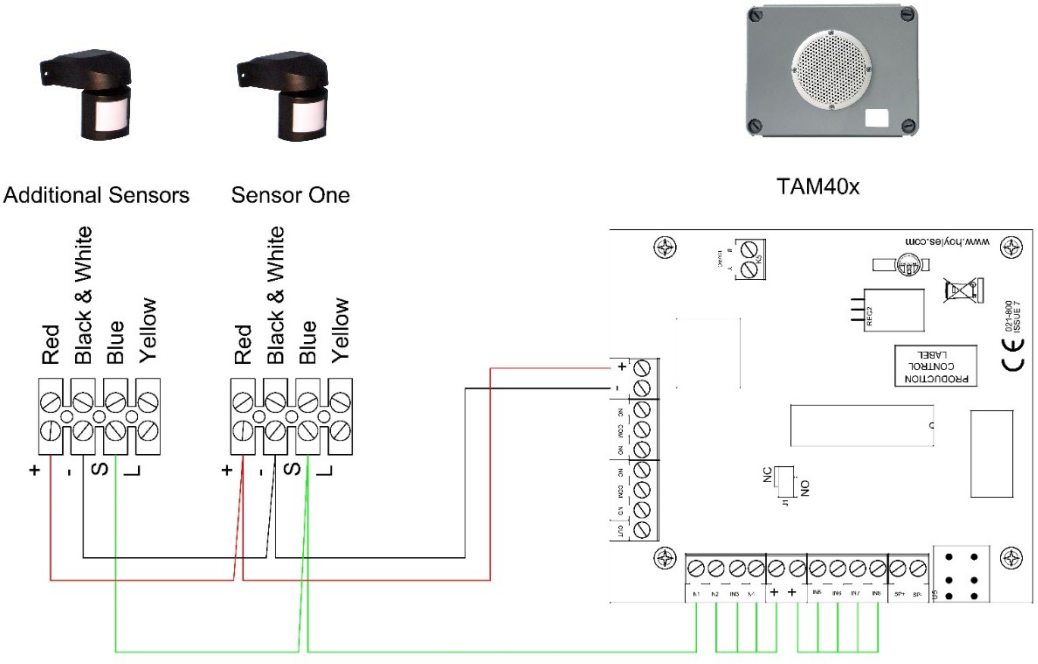
For larger installations we recommend that you sketch a plan view of the property. This will help you choose the best position for the PIR sensors. PIR sensors work best when a person's movement is across the face of the sensor, and not towards the sensor as the person would cross more detection beams (see coverage pattern). This often means that the best place for the sensor is on the corner, looking down the side of the building. The sensor should be mounted at a height of between 2.5 to 3 metres on a rigid, vibration free vertical surface.

Do not locate the sensor near heater flues, air conditioning equipment, etc which will emit warm moving air and will probably cause a false activation.

Do not locate the sensor close to trees, plants or other shrubbery, as they will emit infra-red energy and will probably cause a false activation.

WALK TEST

Walk around the property making sure that all areas are covered adequately, sensor lights will illuminate when motion is detected. Adjust the PIR sensors where necessary to obtain the desired coverage. Lock the sensor in position, making sure not to overtighten the screw.



Works in conjunction with TAM401WP. Eight different voice messages can be played by activating one of the Eight inputs. Multiple sensors could be installed to enable different voice messages to be played on the Chatterbox TAM401WP.

Hoyles Electronic Developments Ltd
Sandwash Close, Rainford, St Helens, WA11 8LY, UK
www.hoyles.com
sales@hoyles.com
+ 44 (0) 1744 886600