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(57) Abstract :

An zebra crossing safety protection system (100) to provide safe passage for pedestrian is disclosed. The system includes a traffic signal lamp (102) to emits light of a predetermined set of colours to indicate traffic phases, and a colour sensor (104) coupled to the traffic signal lamp to detect the colour emitted. Upon detection of the red colour, the colour sensor (104) generates a signal that activates a driving unit (108), causing a barrier (110) to move from a first position underneath road to a second position above the road. Additionally, the driving unit (108) comprises one or more motors and a shaft with a pulley arrangement to move the barrier (110). The control unit (108) further configured to deactivate the driving unit (108) upon detection of a colour other than red by the colour sensor, causing the barrier to return to the first position.

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