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Specification Sheet for BMAC Wireless Bell Push

Stock Code BEW

Concept

This is wireless and battery-less Bell Push using radio transmission to communicate between a passenger Bell Push and the vehicle mounted receiver. Conventionally this would have been done by running cables around the vehicle, connecting the passenger Bell Pushes to a central control unit which requires expensive labour to install the cables, and also results in additional weight, and therefore additional running cost, for the vehicle. To overcome these disadvantages, this system uses a small radio transmitter mounted in each Bell Push and a single receiver to interface with the vehicle electrical system, thus eliminating the need for cables.

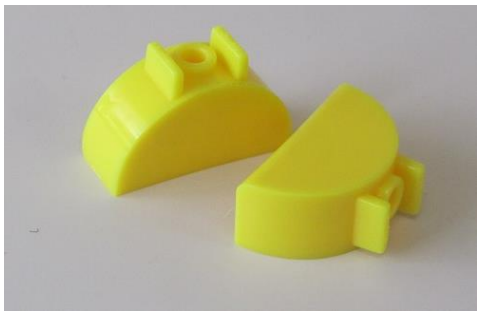
Functionality

When the Bell Push is pressed, this triggers the energy conversion device which generates a short pulse of electrical energy. This is sufficient for the radio transmitter to transmit a short telegram of information to the receiver. Each transmitter has a unique 32-bit module identification code, enabling the receiver to establish precisely which actuator has been operated.
On installation in the vehicle, each Bell Push is assigned a specific channel on the receiver. When the receiver detects a Bell Push has been pressed, it outputs a signal to the vehicle's electrical system giving details of the operation of an actuator and the location on the vehicle. Each channel can be allocated to a specific zone on the vehicle, allowing the vehicle to be partitioned into separate areas. Typically this would be upper deck, lower deck and wheelchair request. Because of the unique transmitter identification code, there is no 'cross talk' between two adjacent vehicles.

Rail Bell Push Yellow
BEWRY

Rail Bell Push Grey
BEWRG

Bell Push Wheelchair Logo
BEWWCY



Bell Push Wall Mount Insert Yellow
BEWWIY

Bell Push Wall Mount Insert Grey
BEWWIG