

## Euro-MERiDIAN Application Note

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### How many Radio ZEMs can I add to my Euro?

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In EoL mode the ZEM will receive 7 wireless devices.

In iD mode the ZEM will receive 29 wireless devices.

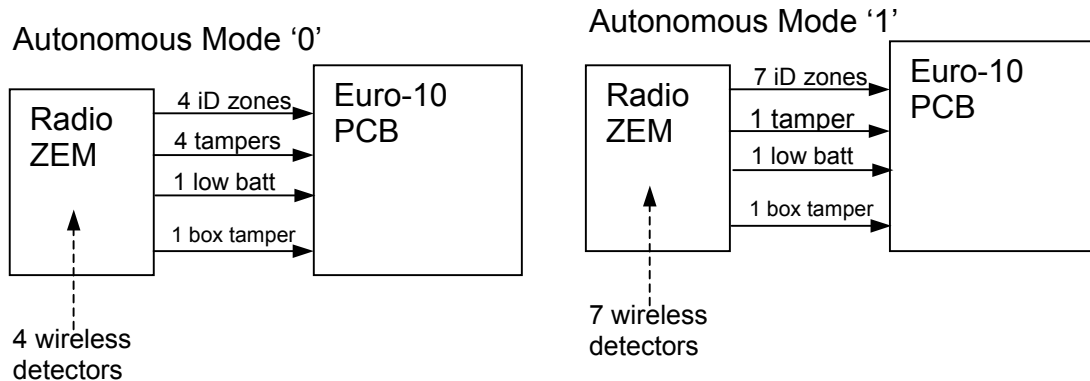
There are two autonomous modes on the ZEM, mode '0' will give you 7 detectors (with individual tampers) and in mode '1' you can have up to 13 detectors (with one global tamper). Autonomous mode requires a relay module to be wired to the ZEM.

See page 4 for wiring the relay card to the panel.

### Euro-10

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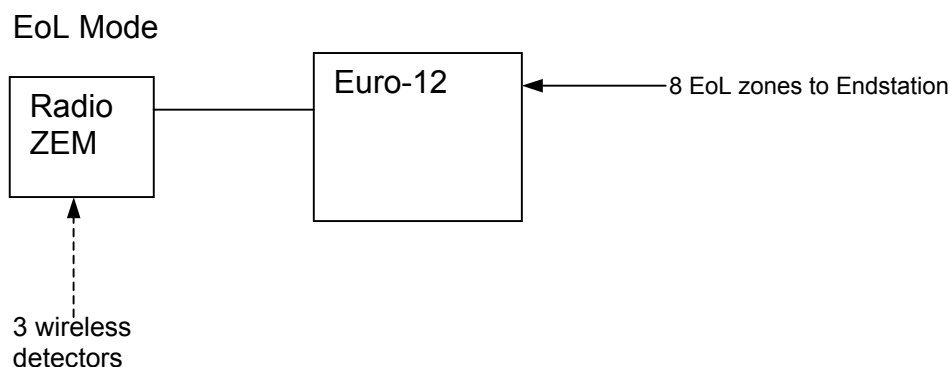
A Euro-10 accepts 10 iD zones hard wired into the endstation PCB. To add a radio ZEM to a Euro-10 it must be used in autonomous mode with a relay module fitted.



### Euro-12

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A Euro-12 can accept 1 EoL ZEM (zone numbers 8-12). Zone 12 (EoL) should be programmed as 'Trouble' type with the name 'RF Low Battery' to indicate a detector low battery problem. If an RF Low Battery is reported then the Radio ZEM will show on the display the number of the detector with the low battery, eg Lb...02.

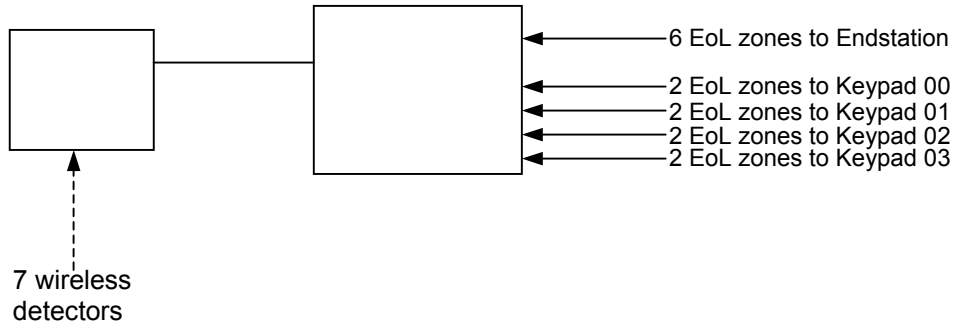


## Euro-22

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A Euro-22 can accept 1 EoL ZEM (zone numbers 7-13). Zone 14 (EoL) should be programmed as 'Trouble' type with the name 'RF Low Battery' to indicate a detector low battery problem. If an RF Low Battery is reported then the Radio ZEM will show on the display the number of the detector with the low battery, eg Lb...06.

### EoL Mode

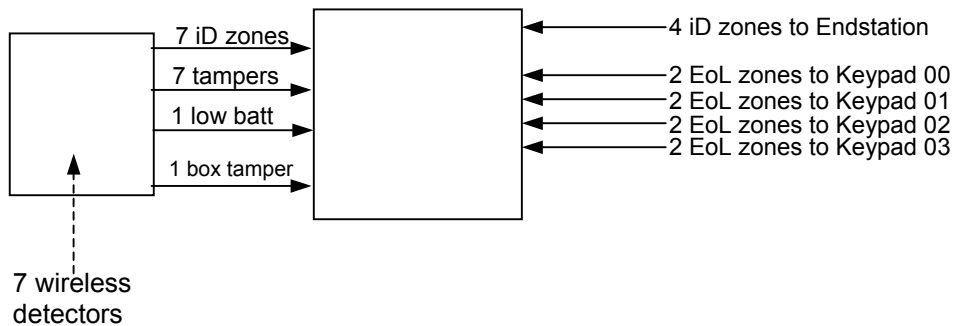


## Euro-28

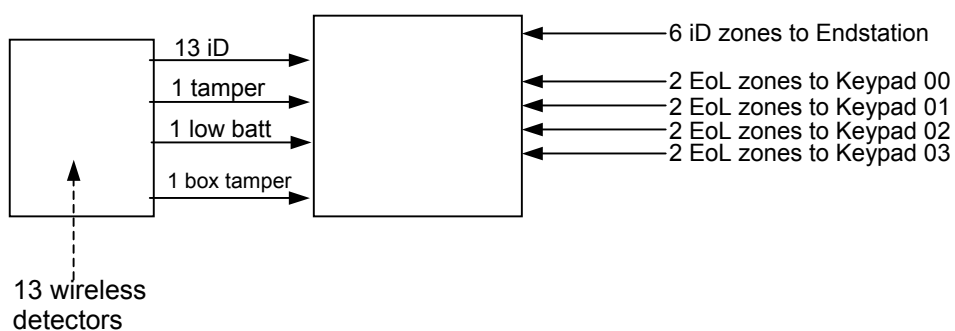
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A Euro-28 accepts 20 iD zones hard wired into the endstation PCB. To add a radio ZEM to a Euro-28 it must be used in autonomous mode with a relay module fitted.

### Autonomous Mode '0'



### Autonomous Mode '1'



## Euro-44 EoL Mode

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A Euro-44 can accept 4 EoL ZEMs (zone numbers 7-38).

The following zones should be programmed as 'Trouble' type with the name 'RF Low Battery' to indicate a detector low battery problem:

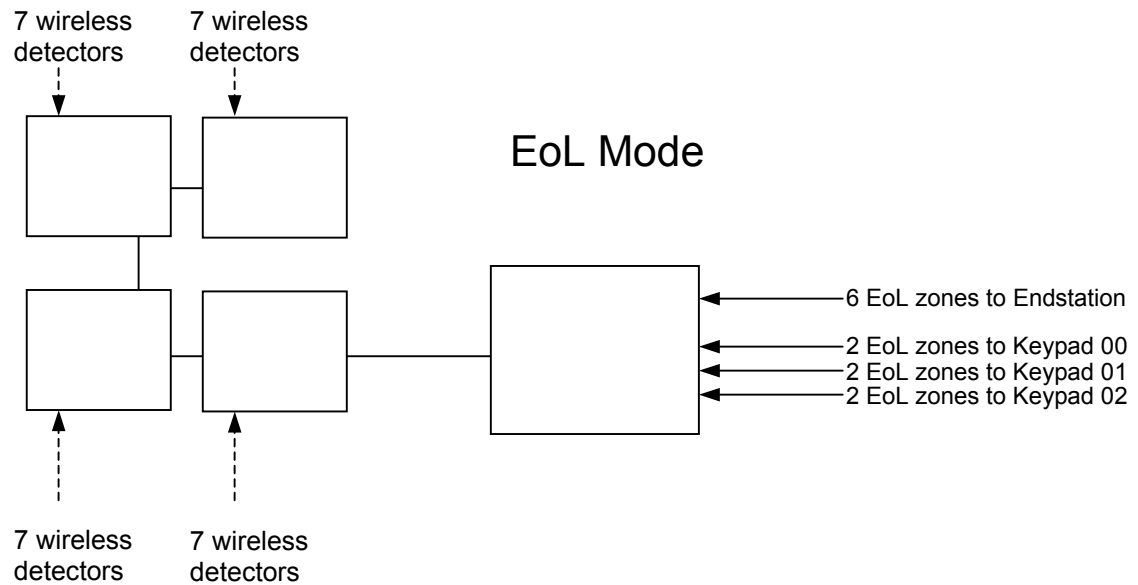
For ZEM 00, Zone 14

For ZEM 01, Zone 22

For ZEM 02, Zone 30

For ZEM 03, Zone 38

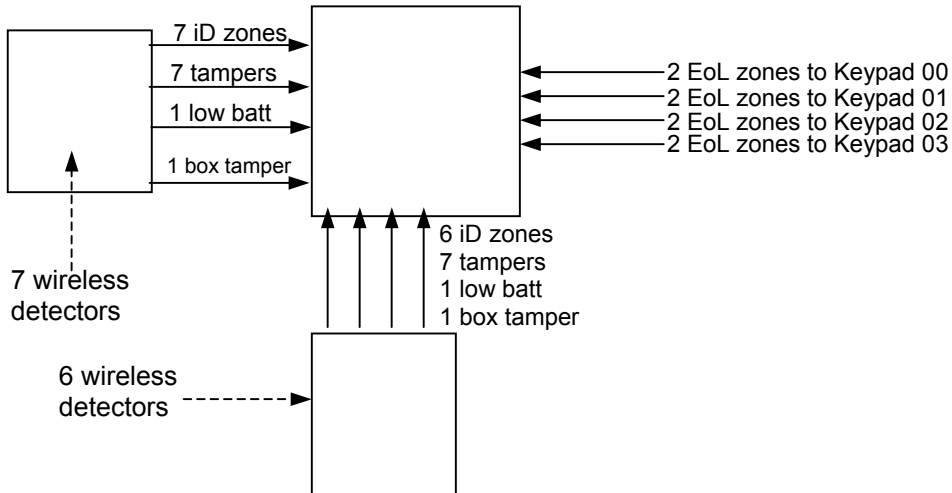
If an RF Low Battery is reported then the Radio ZEM will show on the display the number of the detector with the low battery, eg Lb...06.



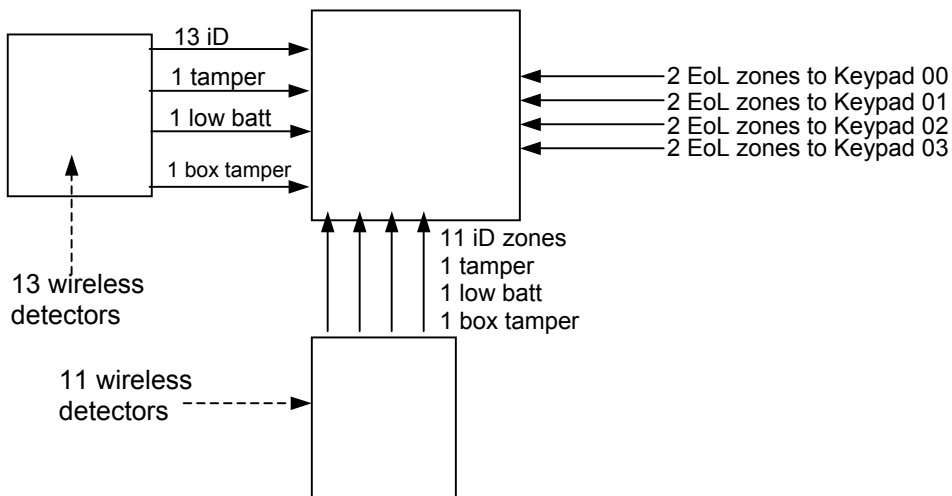
## Euro-44 iD Mode

A Euro-44 accepts 30 iD zones hard wired into the endstation PCB. To add a radio ZEM to a Euro-44 it must be used in autonomous mode with a relay module fitted.

### Autonomous Mode '0'

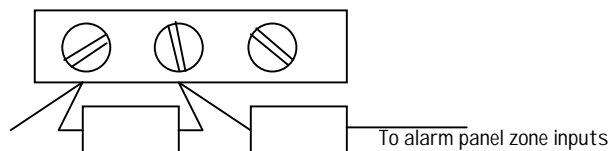


### Autonomous Mode '1'



## How to Wire the relay outputs as Zones

In EoL mode (Euro-22):



In iD mode (Euro-10):

If using iD wiring, connect the biscuit blue wire to NC, white to C, and the yellow wire should be taken straight back to the iD run going out from the panel.