

zencontrol



Comparison

Control system models and applications

Traditional LCM method

Traditional LCM method

- Highest overall cost using LCM method
- One channel for each luminaire (some allow a few luminaires per channel but with many limitations)
- Many installs have custom wiring / lead lengths making installation harder and maintenance more expensive
- Higher commissioning cost

Typical LCM layout



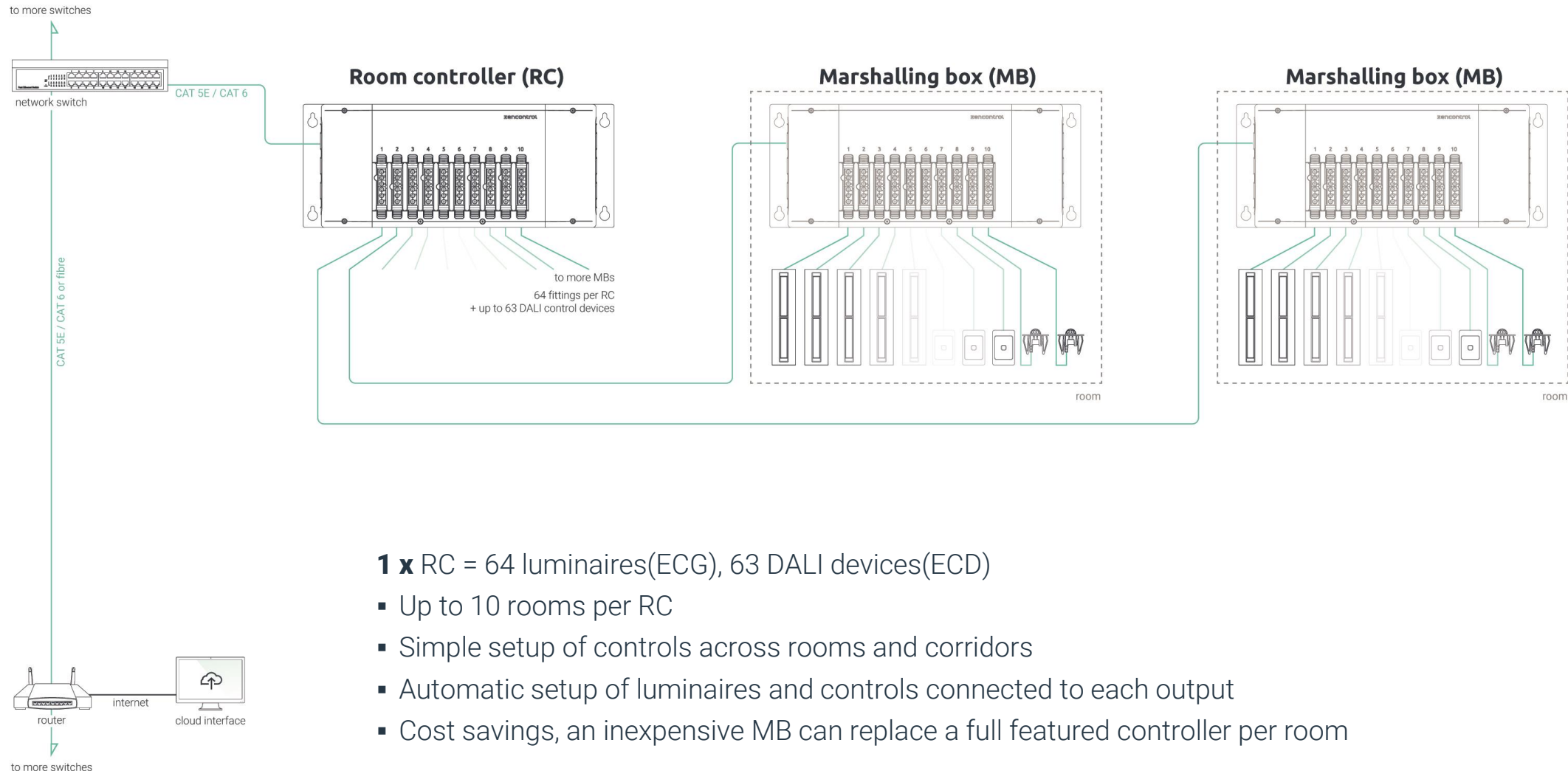
Hybrid solution

Room control and marshalling box, LCM replacement

Hybrid solution

- Wired in a similar method to traditional LCM layouts
- Replaces the LCM with one or more marshalling boxes
- Replaces the **area controller** with a Room controller
- Reduced overall cost compared to the LCM method
- Reduced commissioning
- More advanced features possible

Typical LCM layout with Marshalling boxes



1 x RC = 64 luminaires(EGC), 63 DALI devices(ECD)

- Up to 10 rooms per RC
- Simple setup of controls across rooms and corridors
- Automatic setup of luminaires and controls connected to each output
- Cost savings, an inexpensive MB can replace a full featured controller per room

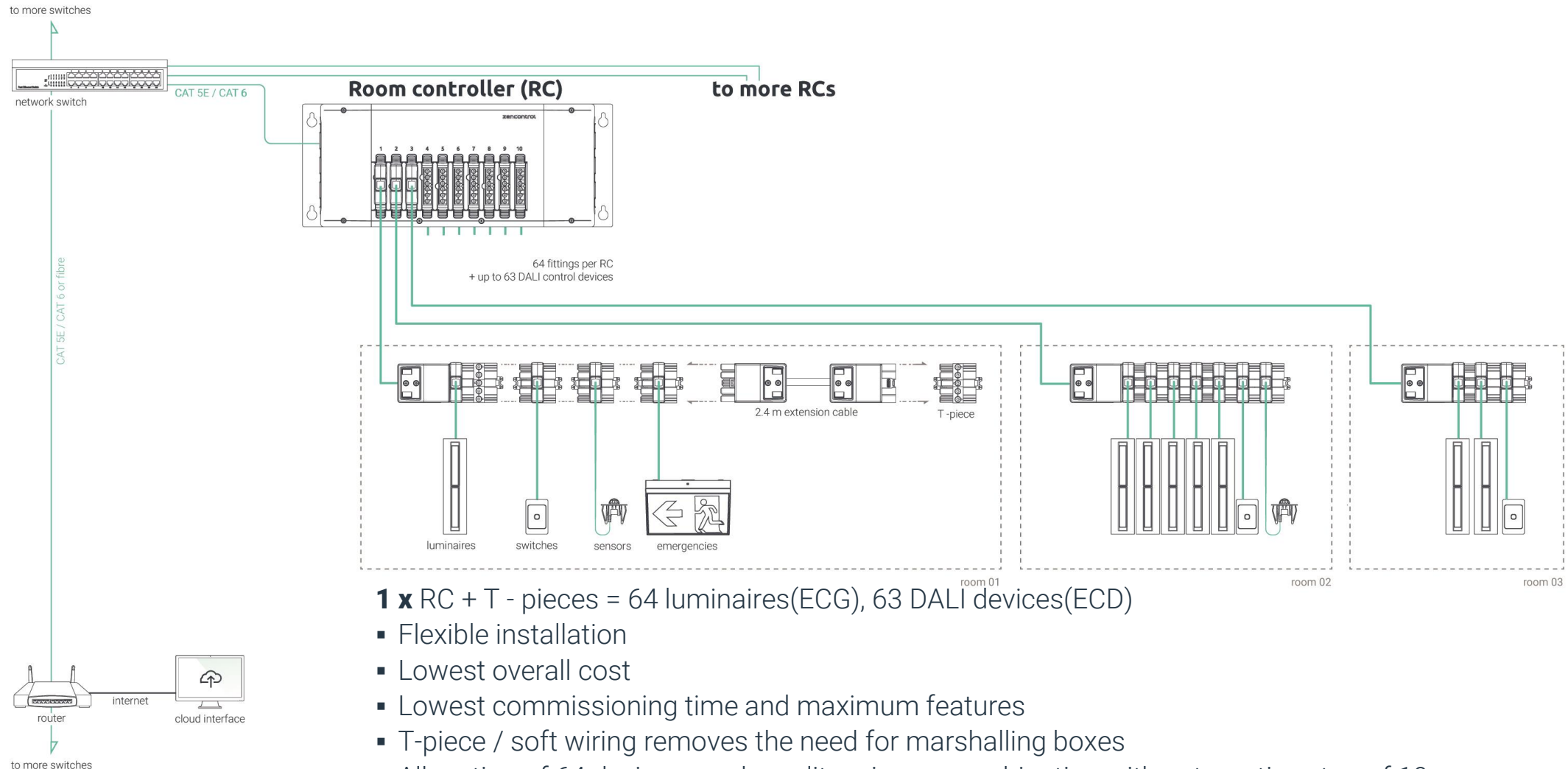
Room control

for simpler wiring and commissioning

Room control

- Easiest commissioning
- Wire rooms together using soft wiring (normally standard cable lengths + t-pieces)
- One room controller can support 64 luminaires (ECG) and 63 DALI control devices (ECD)
- Less fit-off points
- Easier to expand
- Works out the box / with automatic commissioning of standard features
- Most features supported with room control
- Fastest to setup, operate and maintain

Typical Room control layout



1 x RC + T - pieces = 64 luminaires(ECG), 63 DALI devices(ECD)

- Flexible installation
- Lowest overall cost
- Lowest commissioning time and maximum features
- T-piece / soft wiring removes the need for marshalling boxes
- Allocation of 64 devices can be split up in any combination with automatic setup of 10 rooms

Application controller

Application controller

- Fast
- Best used with stairwells / lobbies / carparks
- Suits exposed ceilings
- Supports 64 luminaires (ECG) and 63 DALI control devices (ECD)
- Manual commissioning of groups / rooms
- Auto replacement features found on Room control are not available on Application controllers

Typical Application controller layout

