

# Project Portfolio

**Spring** Housing Association

**Client** Spring Housing Association  
**Location** Birmingham  
**Project Name** Fire Alarm Upgrade



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Established in 2014, Spring Housing Association was set up to provide accommodation and support services to individuals who are vulnerable and at risk of homelessness. Their aim is to provide high quality, low cost housing options, rent relief schemes in helping people back into work and offer individuals a pathway into employment, training & advice.

Their mission is to create long term prosperity by investing to prevent homelessness and social isolation.

Through close consultation with on site staff at Spring Housing Association and Fire Safety Managers Ltd we were able to work out a strategy to upgrade their fire alarm system with minimal business interruption and at an affordable cost. As Spring Housing are a charity based organisation doing great work within the community, we felt we were a great fit because we are a social enterprise ourselves



## Problem

After the initial survey and reading reports from previous service companies we quickly established that the fire alarm was in an urgent need for upgrading. All the wiring was originally installed 20 years ago in twin and earth rather than FP200 cable.

Several smoke & heat detectors were over the 10 year period, the sound levels would never meet the recommendations and all zones were incorrectly installed throughout the property.

## Solution

We began by redesigning the fire alarm system inputting the correct zoning within all 3 floors at both houses.

From this design we then began replacing all existing cable with standard FP200 cable giving a resistance of 30 minutes. We removed as much of the old cable as possible and created new zone runs with fresh containment throughout.

We replaced all existing detection that was out of date with new Apollo S65 Devices giving complete Reliability. Sound levels were checked and failed to reach the 75 dBa at the bedhead and so we replaced all bells with sounder sirens adding 2 more strategically placed to give maximum sound.

Pete, the onsite Contact for Spring Housing Association said, " Fire Safety Manger's have worked tirelessly over the last 8 days to improve the Fire Alarm system and being considerate to the vulnerable tenants that we have here"

He added, " I cannot thank the Engineers enough, it gives me peace of mind to know the Fire Alarm is up to the correct Regulatory Standards and our tenants are kept safe while they live within our property." We will be working more with Fire Safety Managers in the future