

Distech Controls Building Management System serves up a treat at Indian restaurant in Leicester

Wireless benefits add to BMS overhaul at inspiring Tandem restaurant

The exclusive Tandem restaurant serves up authentic Indian flavours with Goan influences for casual, fine and executive dining experiences in five separate rooms across two floors at Leicester's Highcross shopping centre. When the restaurant's BMS system faltered, they called in Nottingham-based BMS Technical Ltd, who installed a Distech Controls BMS system throughout. The upgrade ensured the comfort of customers, allowing the restaurant to concentrate on meeting Government and Public Health Guidelines for safe re-opening, as well as bringing the opportunity for remote monitoring and management of HVAC services via the Distech Controls smartphone application.

"We were called in at short notice, and found it was a relatively old system, with a number of controllers scattered around," says Les Harrop, Managing Director at BMS Technical Ltd. "The main controller operating the boilers and pumps had failed totally. Tandem's owners were very keen to get it fixed as soon as possible to allow them to focus on safely reopening for a May deadline after lockdown."

The client agreed to replace the entire system, and the BMS Technical Ltd team began to work on writing the software immediately. BMS Technical specified a Distech Controls ECLYPSE Connected System Controller. The part contemporary and part Grade II Listed building provided several installation challenges for the team to overcome.

"We had an issue with the air handling unit on the roof. When Tandem moved in, because they were unable to fix anything on the walls (due to the listed building restrictions), they plaster boarded everything on the inside," adds Les. "As a result, lots of cable routes were hidden away, and there was no way of getting an ethernet cable from the basement to the roof. We decided to use an MS/TP system and a Distech Controls ECB-203 Series controller. Its display was very helpful when it came to checking that the signals from the panel in the basement were getting up to the controller on the roof. We chose Distech Controls because we felt they could do everything required for the project."

A further issue was a faulty space sensor on the restaurant's ground floor, which may have been damaged during building work and failed to give a reading. BMS Technical Ltd opted to install a wireless Distech Controls Allure ECW-Sensor, a discrete wireless battery-less room temperature sensor. "We put the receiver down in the basement, and then enabled the space sensor. We took it up onto the ground floor and the Distech Controls software gives you an idea of the signal strength, which was very useful. So, we moved it to the best place and we were able to get a decent signal. That saved a lot of heartache because we would've needed an electrician to find wiring routes, which may have potentially damaged plasterboards, and add the sensor in a place which may not have been optimal. The client was very impressed, and they are now able to monitor temperatures on both the ground floor and first floor."

Because the panel was in the basement, BMS Technical suggested Distech Controls' *myDC* Control app to allow Tandem to monitor the system without having to go back down into the basement. The controller was added to the IT network, the app was set up with the use of 'favourites' to enable the owners to see and adjust temperature, check whether the AHU was running correctly and alter time schedules.

"I'm very pleased we chose Distech Controls because everything was right for that project – the app, wireless sensor and AHU controller all worked perfectly and were exactly what we needed," adds Les. "Had we used other manufacturers we would likely have had to use the 3rd party IO modules, whereas Distech Controls offered everything we needed and the integration and operation of the system is seamless and reliable."

For more information visit www.distech-controls.com.

Distech Controls Kit list:

- [ECLYPSE Connected System Controller](#)
- [ECLYPSE Wi-Fi Adapter](#)
- [ECLYPSE Connected Terminal Unit Controller](#)
- [Allure ECW-Sensor](#)
- [ECLYPSE Open-to-Wireless Adapter](#)
- [myDC Control](#)
- [ECB-203 Series controller](#)

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