

Residence Inn Cleveland Beachwood

Project Profile

Built in 1997, the Residence Inn Cleveland Beachwood offers 198 studio, onebedroom, and two-bedroom suites over four floors. Every suite has a fully equipped kitchen with a full-size refrigerator, stovetop, microwave, dishwasher, and coffee maker as well as a large bathroom.

Authorized Dealer



CONTROL CONCEPTS OHIO

Market segment Hospitality

Location Beachwood, Ohio, United States

> Project type Retrofit

Total area 66,704 m² (718,000 ft²)

> Installation type HVAC, lighting

Protocol **BACnet**



Authorized Dealer Control Concepts Ohio installed a Reliable Controls building automation system during a retrofit of the HVAC equipment at the Residence Inn Cleveland Beachwood.

Total system objects 12,730

Integrated equipment Napoleon vertical terminal air conditioners

Installed equipment



1 MACH-ProCom[™] controller



4 MACH-ProZone[™] controllers



205 RC-FLEXair™ controllers



205 SMART-Sensor™ devices



Control Concepts Ohio used RC-Studio, an easy-to-use BACnet Advanced Operator Workstation software program, to deploy and commission hundreds of Reliable Controls devices and to integrate third-party vertical terminal air conditioning units. With RC-Toolkit software, Control Concepts Ohio seamlessly optimized network communications and integrated open protocols in the building.

Today facility managers can efficiently manage the control system over the internet using RC-WebView software, an easy-to-use browser-based solution that combines the power of enterprise tools with a simple interface. RC-RemoteAccess provides data communications security for remote system access without the need for additional routers or controllers.

Control Concepts Ohio installed 415 Reliable Controls hardware devices in this project:

- A MACH-ProCom controller controls large mechanical equipment. The MACH-ProCom has extensive networking routing ability to multiple open protocols and highly scalable inputs and outputs—key for an installation with equipment from third-party vendors.
- The vertical terminal air conditioning unit in each guest room is controlled over BACnet/IP by an RC-FLEXair controller, each with a generous database, triple-core processor, and multiple high-speed communication options.
- Four MACH-ProZone devices control small to midsize rooftop and heatpump units.
- More than 200 SMART-Sensor devices throughout the hotel deliver a modern communicating-sensor solution that allows occupants to connect with up to 10 configurable parameters related to space, including temperature.

Installed software











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