

# Application Note

Lighthouse Church, Woodlands Singapore



### Number of Starter Panels :

- FCU and AHU : 28
- MV Fans : 34
- Chilled Water Pumps : 5
- Chillers : 3

The IP3 Starter Panels are programmed with Weekly 7-Day timer for automatic control of the equipment start and stop times following the Church service schedule.

### Number of Networks :

- 3 x RS485 Network

### Interlock With Fire Alarm

The System is link to the Fire Alarm Panel, such that in case of fire the system shall automatically shutdown all the ACMV equipment of the system.

### Description Of System Architecture

The Building Automation System of the Church consists of the Central Computer and three networks of IP3 Starter Panels for ACMV equipment (FCU, AHU, MV, Chillers and Pump Sets).

### Software Application Modules

The Windows-Based PC can be upgraded in future with software applications for maintenance and facilities management. For example, auto-paging for fault alerts and Access through Internet.

### Project Scope :

Design, supply, testing, commissioning and maintenance of Building Automation System for Air-Conditioning, Mechanical and Ventilation (ACMV) Services. Consisting of IP3 Starter Panels and Central Computer.

The Monitoring and Control of the ACMV system is from the Central Computer. The PC Color Monitor provides Graphical display for ease of use in daily operations.

