AOT
Action On Time

# Schedule Controller

## Applications

*HVAC Control*

*Light Control*

*Security*

*Power and Energy Management*

*Utility Administration*


AOT Schedule Controller is designed to bridge the gap between PLC and DDC. Although a PLC is more reliable and affordable, it lacks the scheduling functions that can be essential for certain applications, notably those in building automation. With flexible scheduling capability and a build-in real time clock, AOT can work alone or be used as supplement for cheap and reliable PLC to make up such control requirements in applications currently dominated by expensive DDC.

Designed to carry out its tasks according to a pre-configured schedule, AOT schedule controller activate or deactivate one or more output I/O points when the specified time is up. Thanks to its highly flexible yet easy to used configuration software, task schedules can be conveniently defined and downloaded to the controller for execution. Besides the routine daily and weekly tasks, more complex task schedules can also be defined and grouped, then assigned to special dates in calendar.

# Products

| Model Number | | AOT-210 | AOT -220 | AOT-230 |
|---|---|---|---|---|
| Control Outputs | Devices | 1 | 64 | 64 |
| | Outputs | 16 | 256 | 1024 |
| Schedule | Number of schedule | 16 | 256 | 1024 |
| | Condition per schedule | 1 | 2 | 4 |
| | Special Date per schedule | 0 | 64 | 64 |
| | Event per schedule | 0 | 64 | 64 |
| | Holiday types | 1 | 2 | 3 |
| | Action per day | 12 | 12 | 96 |
| | Output Override | N | Y | Y |
| Communication Interface | Ethernet | N | Y | Y |
| | RS-232 | 1 | 2 | 2 |
| | RS-485 | 0 | 1 | 1 |
| Configuration software | | Y | Y | Y |
| Web configuration and control | | N | Y | Y |

# Features

## Robust Hardware Design

- High performance RISC CPU
- Built-in RTC with battery backup
- High capacity non-volatile flash memory for schedule and setting storage
- Connected to PC through Ethernet or serial interface for schedule download and operation monitoring*
- Web interface for operation setting and monitoring*

## Communication Interface

- 10/100 Ethernet interface for configuration and control output*
- RS-232 serial interface for configuration
- RS-232 and RS-485 serial interface for control output
- Support Modbus RTU and Modbus TCP protocol with both master and slave mode*

## Flexible Scheduling Capability

- Each main schedule includes routine weekly schedule, multiple holiday schedule, special date schedule, event schedule and override schedule to provide the most flexible schedule usage
- Conditions can be defined based on date range. Independent weekly schedules can be defined for each condition to extend the flexibility of each main schedule
- Holiday, event and special date schedules can be defined to replace routine weekly schedule
- Override schedules can be defined for temporary maintenance or testing actions
- Multiple actions can be defined for each day
- Multiple sets of common holidays can be defined. Each main schedule can define its own action for each set of holidays
- Each main schedule can define its own special dates with associated scheduled actions independently

## Easy to Programming

- Two method for schedule programming and operation：AOT configuration software and Web*
- Configuration and operation can be done through Ethernet or RS-232 serial interface
- AOT operation can be monitored and controlled
- Multiple AOT schedule controller can be controlled by the same PC

Note*: Ethernet, Web and Modbus TCP are not supported in AOT-210

TOP TEAM TECHNOLOGY INC.
8F-7, No 2, ChienPa Road. Chung-Ho City Taipei, Taiwan, R.O.C.
Email: service@topteam.com.tw
http://www.topteam.com.tw