

ASC AC-1 Series IV Aircon Controller

Designed specifically for telecom and EDP facilities, the ASC Series-IV Aircon Controller is a combination of an aircon controller and an environmental monitoring system (EMS) in one package. The aircon controller section sequences the operation of the air conditioning units to facilitate even distribution of load schedules. The EMS on the other hand monitors the cabin/room for extreme environmental conditions. This represents cost savings in the form of minimized equipment down time due air conditioner failure as well as reduction in man-hour cost especially for unmanned telecom shelters.

APPLICATIONS

The ASC Series of Aircon Controllers is ideal for use in remote and unmanned facilities with multiple air conditioning units that functions as a fault tolerant system. Designed with built-in features of a security panel, the ASC Series-IV comes as a compact unit that includes both EMS features and an ACU controller in one package.

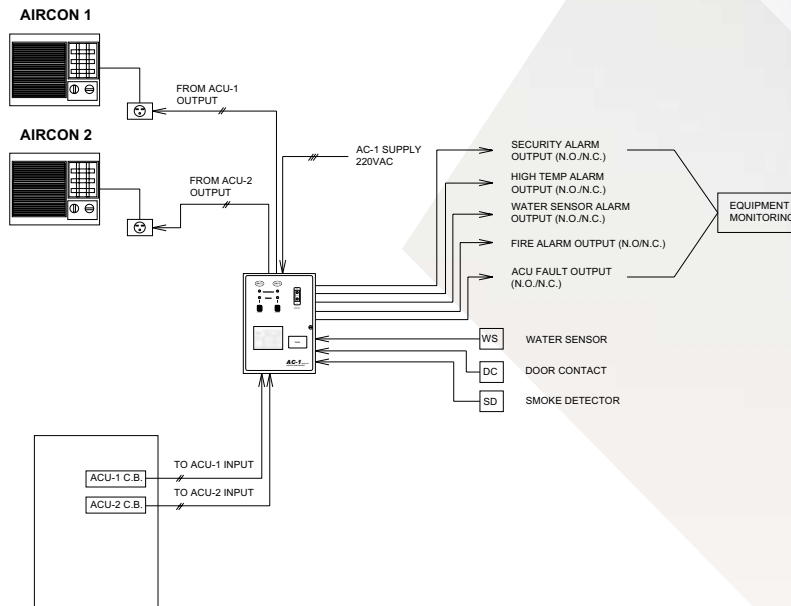


* Actual unit may vary from picture above.

FEATURES

- Supports window-type or split-type airconditioning units
- Up to 2 airconditioning units can be connected per controller for load scheduling
- Digitally programmable timer setting of load schedules (from 12-hour intervals up to 2-hour Intervals)
- Digitally programmable HI & LO temperature set points with hysteresis (selectable to °C or °F)
- Automatic activation of unscheduled airconditioning units during a HI-temperature condition to maintain room temperature.
- Automatic shut-off of all airconditioning units during a LO temperature condition to minimize condensation.
- Auto switch-back to load schedules upon restoration from abnormal temperature condition
- BYPASS switch per airconditioning unit to override automatic load schedules.
- Individual LED indicator lamps of system status (normal, ACU fault)
- Compatible with different environmental sensors.
- Individual VFCO for each sensor triggered.
- Alphanumeric LCD keypad display with internal buzzer to indicate detailed system status.
- Built-in security system function (entry-exit delays).
- Supports multiple security devices like magnetic contacts, motion sensors, vibration sensors, etc. (optional)
- Supports different sensors like humidity, water bug, smoke detector, etc. (optional)
- Supports External Audible Sounder (optional)
- Supports 2-wire or 4-wire smoke detectors (optional)
- Built-in digital communicator for remote status reporting (ACLoss, ALARM, FAULT, etc)
- Backup battery to maintain fire detection and security function during power failures

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SPECIFICATIONS

Input Voltage	- 180 - 240VAC; ~150W per panel
Max. Load per aircon	- 220VAC; 30A
Max. Hi-temp setting	- 50° Celsius
Min. Lo-temp setting	- 0° Celsius
Max. HI & LO temp. VFCO rating (each)	- 1A; 50 VDC
Dimensions	- 56cm x 41cm x 12cm (LxWxD)

ORDERING INFORMATION

AC1-S42W - 2 x Window/Split type ACU Controller

**EMS sensors are offered separately.*