

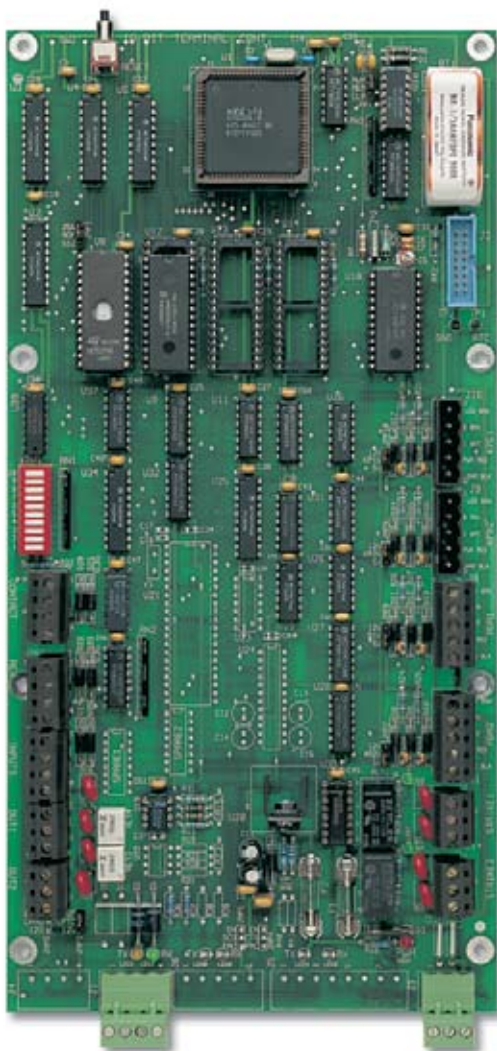
AC-600 Terminal Controller



Supervises access control decisions

Alarm detection for two doors

Memory capacity upgradeable to 50,000 users



The AC-600 Terminal Controller incorporates the latest 16-bit technology with real time operations and has a proven track record in the access control industry for performance, reliability and ease of installation. Compatible with any Threshold system, the AC-600 supervises all access control decisions and alarm detection. Each AC-600 features a standard memory capacity of 4000 cardholders. The system can upgrade the number of cardholders in two increments of either 20,000 or 50,000 users.

Access data is always safe

With a distributed architecture design, this full-function intelligent device triggers all output responses to alarm (input) detection through its processor logic. If communications are lost with a main or system controller, the device also maintains an event buffer. Should power be lost, a self-contained battery allows 48 hours of data integrity.

Flexibility enhances security

Each terminal controller supports two readers. Enhancing security further, two auxiliary Wiegand ports allow readers to be combined with keypads and other card readers. A wide range of card reader technologies, including the Performa® and Mirage® Proximity, Wiegand, and Magstripe readers, interface with the AC-600.

Ready to put to work

The terminal controller has all the necessary provisions to implement access control for two doors. Allocation for door contacts and requests to exit devices are dedicated to each reader available on the AC-600 with additional two alarm contacts and outputs. These inputs provide four states—secure (closed), active (open/close), cut, and short. The terminal controller is expandable to 32 outputs for applications such as elevator control. Outputs may be configured for fail-safe or fail-secure operation.

AC-600 Terminal Controller

Specifications:

AC-600 Terminal Controller

Electrical

Voltage:

12 Volts DC (\pm 10%) Current Dissipation 300 mA max plus reader or keypad requirements

Battery Backup:

Board mounted battery retains RAM memory and real-time clock for up to 48 hours.

Cable Types:

RS-485 22 gauge shielded, dual twisted pair (Belden #8723)

Readers/Keypads 5 conductor, shielded, 18 gauge

Inputs 22 gauge shielded, dual twisted

Cable Lengths:

RS-485 Comm. 4000-foot maximum

To Readers 500-foot maximum

To Input 500-foot maximum

To Outputs Application dependent

General Purpose Output Ratings:

1 amp max at 24 VDC or 24 VAC

Auxiliary Output Relay Ratings:

24A max at 24 VDC or 24 VAC

Door Strike Relay Ratings:

24A max at 24 VDC or 24 VAC

Physical

Printed Circuit Board:

6.0" wide

12.0" tall

Metal Enclosure:

19 $\frac{1}{4}$ " wide

18 $\frac{1}{4}$ " tall

4 $\frac{1}{2}$ " deep

- $\frac{3}{4}$ " Conduit knockouts

- Key-operated lock

Mounting hardware available for custom enclosures

Environmental

Operating Temp:

0 to 50 degrees C

Relative Humidity:

90% operating (non-condensing)

Features

Event Buffer (Standard):

Windows Networks up to 200 events

Clock:

Real-time clock and calendar

Supervised Inputs*:

Two door position inputs

Two requests to exit inputs

Two auxiliary inputs

Relays:

Two door strike SPDT dry contact relays

Two auxiliary SPDT dry contact relays

*line supervision if desired (4-states reported)

Cardholders:

4000 standard

20,000 and 50,000 with memory expansion

Readers:

Two readers with industry standard interface

Separate or integrated keypads

Doors:

Two complete doors or one door with two readers

One supervised position input per door

One supervised request to exit input per door

One SPDT strike relay per door

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