



ACCESS CONTROL SYSTEM

Overview

The powerful, yet user friendly, multiMAX 250 system consists of a programmer unit, used in conjunction with a multiNODE-2 database controller, to provide an entry level integrated access control and alarms monitoring system for applications too small to warrant a PC based solution.

The programmer unit provides a high level of user interface using an 8-line by 40-character LCD for all programming menus; access is "password" controlled with configurable authority levels.

Hardware Features

For convenience, the programming unit is available either housed in an MDU-2 enclosure (PMDU-2), or as a standalone unit (PDU-1) for remote programming capability.

The multiMAX 250 includes a choice of database units supporting either 2 (MDU-2) or 4 (MDU-4) readers and doors, depending on initial requirements. The system can be easily expanded to 8 readers by adding 2-reader controllers (2-DC). A second database unit allows expansion to 16 readers.

Reader Technologies and Card Formats

multiMAX 250 supports a range of reader technologies including standard and custom formats.

Card Commands

A unique feature that allows authorised card holders to initiate conditional commands from selected reader locations (i.e., switching on/off lights or alarm systems).

Alarm Monitoring

The multiNODE-2 controls up to 8 access points with alarms monitoring. Other sensors, e.g., fire door contacts, can be connected by means of monitor point inputs. Any change of state automatically activates the powerful conditional commands – IF/THEN/WHEN – to initiate commands, such as operating outputs for audible alarms, or locking doors.

Reports

System activity can be stored for subsequent review via the integrated display, or output to an optional printer.

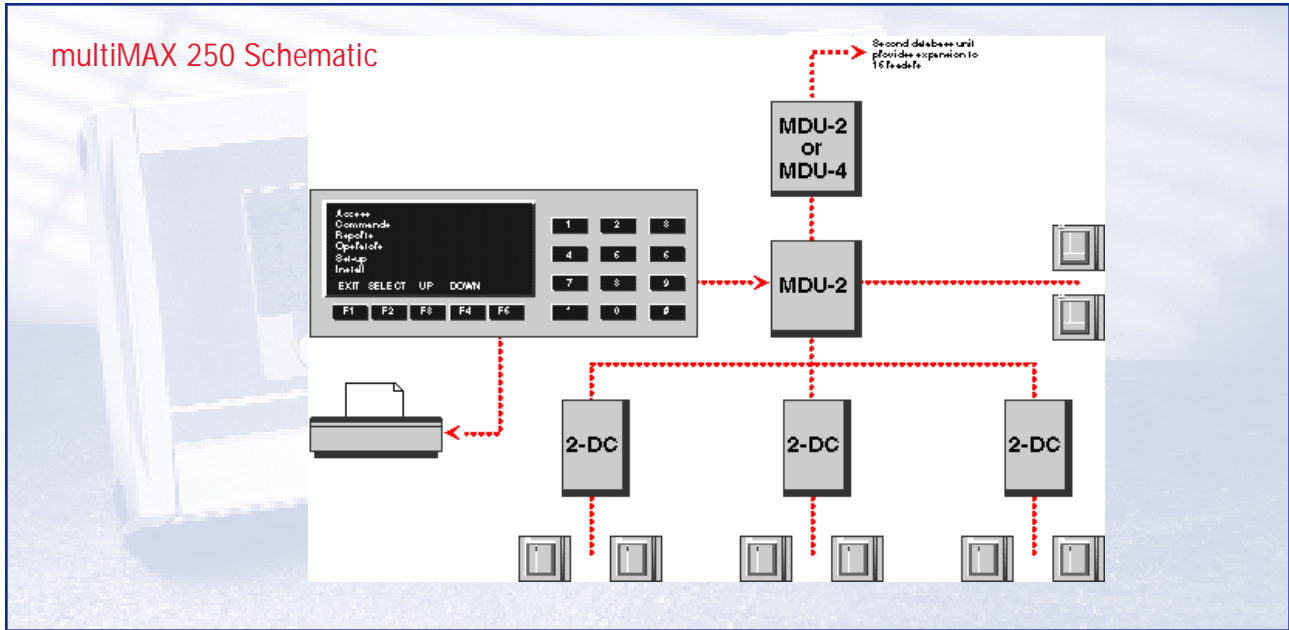
Key Features

- Card holder names can be included
- Full text descriptions of readers, monitor points, output switching relays, holiday dates & time codes
- Extensive timed, conditional and manual commands
- Supports various reader technologies
- Configurable card formats and door control functions
- Capable of future expansion by adding PC and software

multiMAX 250



SYSTEM ARCHITECTURE



SPECIFICATIONS

Dimensions

PMDU-2	PDU-1
Width – 310mm	Width – 275mm
Height – 352mm	Height – 125mm
Depth – 85mm	Depth – 52mm

Operational Capacities

Cardholders	2000
Card readers and doors	16
Monitor Points*	64
Auxiliary Outputs*	32
History of events/alarms	5000
Holiday dates	24
Holiday types	2
Time codes	128
Intervals per time code	4
Timed commands	64
Conditional commands	96
Programmer permissions	8

*Available as option modules; each module provides 8 monitor points and 4 auxiliary outputs.

Operating Environment

0°C to 50°C, 15% to 90% humidity, non-condensing

Power Requirements

PDU-1: 12V DC (from first MDU)
 PMDU-2: External 12V DC PSU required
 MDU-2/MDU-4/2-DC:
 External 18V AC transformer

System Hardware Capacities

multiNODE-2 database units	2
Readers per MDU-2	2
Readers per MDU-4	4
Readers per 2 - DC	2
Monitor points:	
per 2 reader database unit/door controller	8
per 4 reader database unit	16
Auxiliary outputs:	
per 2 reader database unit/door controller	4
per 4 reader database unit	8
Optional system printer	1



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