Temaline Control Unit

Honeywell

Ensuring the security and safety of your resources and much more

The goal of Temaline Access Control is to ensure the security and safety of your resources – people, assets, documents, intellectual property – present in a specific area, while still allowing authorised users easy, but controlled access.

The Temaline Access Controller is a flexible module able to monitor and control up to 12 access points across a site. A range of capabilities including, anti-passback, redundancy, high reliability and availability and a graphical user interface ensure complete access control.

MAJOR BENEFITS

Flexible: Memory can be upgraded to add capacity to increase card holders and transactions.

People Management : Extend the Access Control solution to also include intrusion detection and Time & Attendance.

Secure: Anti-passback capabilities prevent a card being used for entry/exit more than once in an allotted time period.

Programmable: Via a graphical user interface (GUI) the supervisor can program groups and areas and assign access attributes to individuals or groups.

Connectivity: Direct Ethernet connection to standard local or wide area networks as well as peer to peer communication.

Peace of mind: Complete redundancy ensuring that in the event of device failure alternative controllers can maintain the readers.

KEY FEATURES

- Supports up to 12 doors
- Direct LAN/WAN connection
- Supports “Messaging”
- Standard memory supports 10,000 card holders (60,000 with enhanced memory)
- Redundant configuration via peer-to-peer
- Optional: “On-Line Muster Station” “Time & Attendance”

Specification		TS_AC01
Technical		Bi-processor CPU68EN302, including a Motorola 68000 (32 bit architecture) and an Ethernet communication processor
		1 MByte FLASH EPROM to download the application firmware
		1 MByte FLASH EPROM or 8 MByte with extended memory on a removable cartridge for the download of the permanent database (tables of the access right of the users codes for the workdays, pre-holiday and holiday days) and for the ‘Transit and Events’ Buffer. Optional memory board with 8 Mbytes FLASH EPROM available.
		1 MByte RAM for the current activity or 3 MByte with extended memory.
		Management of up to 12 doors with TemaKeys on both directions.
		Management of up to 64 I/O.
		Up to 10.000 cards and 2.500 transactions stored on a removable cartridge with Flash EPROM memory in case of connection failure with the EBI_Tema host (resulting in no losses in case of a power failure). Up to 60.000 cards and 40.000 transactions with the extended memory board. See table below for details.
		Management of the peer-to-peer connection with the other TemaServer and as a consequence high decision-making capability and full operative autonomy.
		Autonomous clock/calendar Chip with automatic management of regular /daylight saving time with an autonomy of 1000 hours in case of power failure.
		Lead battery backup, with full functionality for 4 hours in case of network failure, and signaling of the battery-charge status.
		Low voltage power-supply (12 Vdc/ac) for maintenance safety.
		Tamper protection of the unit to prevent opening.
		Watchdog protection for recovery in case of malfunctions.
		Tele-diagnostic in Ethernet connection.
Electrical	Supply Voltage	12 V DC/AC -15%/+20%
	Power Consumption	3.6 W (4.2 W max. during recharging of a fully used battery)
	Interface	Ethernet 10BaseT
Physical	Protection Rating	IP55
	Dimensions	W=221, H=304, D=47 mm
	Weight	3.0 Kg, battery included
Environmental	Operating Temperature	0ºC / +50ºC
	Operating Humidity	Up to 95% without condensation
	Certification	Directive EMC 89/336/EEC, 92/31/EEC Low Voltage Directive 72/23/EEC, 93/68/EEC; EN60950 / EN55024 / EN55022-B / EN61000-3-2/3 c UL us LISTED FC CE

Card & Buffer Sizes

Standard Memory Card

Basic Configuration	Cards	Transactions Buffer	Event Buffer
Access Control	10,000	2,500	400
Enhance AC / Basic T&A (Enhanced Personal data table)	6,000	2,500	400
Interactive T&A	2,500	10,000	135
SAP	2,500	7,000	135

Extended Memory Card

Basic Configuration	Cards	Transactions Buffer	Event Buffer
Access Control	60,000	40,000	5,000
Enhance AC / Basic T&A (Enhanced Personal data table)	50,000	40,000	5,000
Interactive T&A	15,000	65,000	1,000
SAP	32,000	65,000	1,000

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