



**Combining intelligent
functionality with high quality
and compact design**

Temaline compact readers deliver outstanding and consistent performance in an attractive and stylish design with soft epoxy / UL treatment on keys, swipe, proximity and two-line display. Compact readers combine unique functionality, high quality engineering and design with superb reliability and consistent read range.

MAJOR BENEFITS

Easy to install: The direct LON connection and embedded I/O simplifies installation and engineering and reduces the number of system devices.

Intelligence: Readers can be used for time and attendance management with the ability to perform transaction enquiries

locally, as well as justified transactions.

Embedded I/O: Allows the complete control of a door (door monitor, request-to-exit, door lock and visual/audible indication) without having to invest in additional costly devices.

Compact design: Integrated reading unit complete with LCD display, numeric-function keyboard, 2 supervised inputs and 2 power open collector (Drain) mosfet outputs.

Multi-purpose: The appropriate terminal to address Access control, T&A, and light intrusion detection as managing zone status. Wide operating temperature means suitable for use indoor and outdoor use.

KEY FEATURES

- Wall or turnstile mounting
- Supports LCD messaging
- PIN support
- Internal I/O for door control
- 16 key Numeric-function keyboard
- Echelon devices
- Tamper-proof housing
- Optional: Time & Attendance can be configured
- Supervised inputs



TK_C12

Specification		TK_C12
Technical		Integrated compact reading unit complete with display, keyboard, 2 supervised inputs and 2 Power Open Collector (Drain) outputs.
		Mono-directional reader for Proximity smartcards (ISO 14443A MIFARE® up to 7.5cm of distance with a full compliant ISO 14443A Card and ISO14443B up to 4cm of distance).
		Alphanumeric Liquid Crystal Display (LCD), back lit, with two lines of 16 characters each, for the visualization of time data, guide messages for the user, and service messages.
		Numeric-function Keyboard with 16 keys, to enter the pin code of the user or the reason for transit.
		1 three-color LED signal: green LED for the correct reading of each direction and red for invalid transactions and yellow for LON service led.
		Variable Tones for valid/invalid transactions. Tamper protected with internal switch.
Electrical	Supply Voltage	12V DC ±15%
	Power Consumption	1.7W nominal (2W max.)
	Lon Cabling Interface	"Free Topology" type connected with unshielded double twisted pair cable (FT3150 Smart Transceiver, 78Kbps)
	Digital Inputs	2 supervised inputs with 4 statuses: normal, alarm, cut, short
	Digital Outputs	Power Open Collector (Drain) Number: 2 Voltage: 10V +14V max, (internal power supply) Voltage (absolute max) 10V +30V (from external power supply) Current: 1.2A holding current (peak max 5A inductive load)
Physical	Protection Rating	IP55
	Dimensions	W=72, H=160, D=75 mm
	Weight	0.5 Kg
Environmental	Operating Temperature	-20°C / +60°C
	Operating Humidity	Up to 95% without condensation
	Certification	Directive EMC 89/336/EEC, 92/31/EEC Low Voltage 72/23/EEC, 93/68/EEC; EN60950 / EN55024 / EN300 330 RoHS / WEEE compliant device

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