



**Combining unique functionality with
high quality engineering and 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.

The magnetic compact reader is bi-directional, where as the proximity readers are mono directional.

MAJOR BENEFITS

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

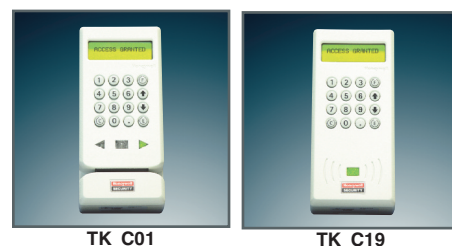
Intelligence: Readers can be used for time and attendance management with the ability to perform transaction enquiries locally, as well as justified transactions.

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, embedded inputs and outputs.

KEY FEATURES

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



Specification	TK_C01	TK_C02	TK_C19
Technical	Integrated compact reading unit complete with display, keyboard, 2 digital inputs and 2 digital outputs Bi-directional reader for Magnetic cards	Integrated compact reading unit complete with display, keyboard, 2 digital inputs and 2 digital outputs Mono-directional reader for HID* Proximity cards (standard ISO/ABA 125Khz, up to 5cm distance)	Integrated compact reading unit complete with display, keyboard, 2 supervised or digital inputs and 2 powered outputs Mono-directional reader for HID proximity cards (standard ISO/ABA 125Khz, up to 8cm of distance)
	Alphanumeric Liquid Crystal Display (LCD), backlit, 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 Double coloured LED signal: Green LED for the correct reading of each direction, Red for invalid transactions and or messages and Yellow for LON service		
	Variable tones for Valid/Invalid transactions		
	Tamper protected		
Electrical	Supply Voltage	12V DC $\pm 15\%$	
	Power Consumption	1.4W nominal (1.7W max)	1.6W nominal (2.1W max)
	LonWorks cabling Interface	Unshielded twisted pair cable in free topology (transceiver FTT10A, 78Kbps)	Unshielded twisted pair cable in free topology (transceiver FTT10A, 78Kbps)
	Input	2 Opto-coupled digital inputs	2 Supervised or digital inputs
	Output	2 Relay outputs (1A@30V)	2 Powered outputs
Physical	Protection Rating	IP31	IP55
	Dimensions	W = 72, H = 160, D = 75	
	Weight	0.5 Kg	0.4 Kg
Environmental	Operating Temperature	0°C / +50°C	
	Operating Humidity	Up to 90% without condensation	
	Certification	cUL US LISTED Directive EMC 89/336/EEC, 92/31/EEC Low Voltage 72/23/EEC, 93/68/EEC EN60950 / EN55024 RoHS / WEEE compliant device Directives 2002/95/EC 2002/96/EC	CE Directive EMC 89/336/EEC, 92/31/EEC Low Voltage 72/23/EEC, 93/68/EEC EN60950 / EN55024 / EN300 330 RoHS / WEEE compliant device Directives 2002/95/EC 2002/96/EC

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