

**Digital I/O management
device**

The TK_C21P module provides 4 Supervised Inputs and 4 Open Collector (Drain) Outputs. The same digital I/O management devices can therefore be used for both access control and light intrusion detection purposes.

The TK_C21P module offers the capability to collect the status of any different kind of digital sensor and to easily command external devices. A flexible device that allows a variety of customised applications.

MAJOR BENEFITS

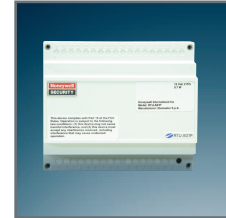
Easy to install: The direct LON connection and embedded I/O simplifies installation and engineering and reduces the number of system devices.

Free I/O management: Possible to share the I/O of an I/O Module between different modular readers (TemaKeys) or to use the I/O of an I/O Module for both gate management and minimal intrusion detection purposes.




Distributed point management: reduces "home run" wiring and cable costs. Quicker response to field level.

KEY FEATURES

- Standard DIN / Omega RAIL 35
- TK_C21P supports 4 x Inputs & 4 x Outputs
- Echelon "LON" Device
- Tamper proof
- Supervised inputs
- RoHS compliant, so environment respectful



TK_C21P

Specification		TK_C21P
Technical		Temaline I/O Module
		Provides 4 Open collector (Drain) Outputs and 4 Controlled Inputs
		Must be mounted on a standard DIN rail 35
Electrical	Supply Voltage	12V +/-15% [18V internal PTC protection]
	Power Consumption	50mA [nominal], 450mA Max [including loads]
	Lon Cabling Interface	Unshielded twisted-pair cable in free topology (Echelon FT3120E4 RoHS chip)
	Inputs	Number: 4
		Type: Supervised
		Current: 0 to 3mA for each input (internal reference)
		Voltage: +14V max. 0V min
	Outputs	Number: 4
		Type: Power Open drain (MOSFET)
		Current: 1.2A continuous 5A (0.5sec) impulsive
		Voltage: 10V +14V (internal Power supply) Voltage:(absolute max) 10V +30V (from external Power supply)
		Current: 1.2A [5A / 0.5sec peak max – inductive load] Normality O or NC via software setting
		Wire length connection: Dependant on cable diameter, load current sink and load min power supply
		On state: Resistance = typical 20 mOhm Load: 1A = 0.02 V
		Power Output External
Physical	Protection Rating	IP31
	Dimensions	H=105 x W=90 x D=61mm
	Weight	0,2kg
Environmental	Operating Temperature	Standard DIN/omega Rail 35
	Operating Humidity	-20°C / +60°C
	Certification	Directive EMC 89/336/EEC, 92/31/EEC
		Low Voltage Directive 72/23/EEC, 93/68/EEC; EN60950 / EN55022 / EN55024 RoHS / WEEE compliant device Directives 2002/95/EC 2002/96/EC
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Honeywell Systems Group

Via Tintoretto, 15
21012 Cassano Magnago (VA)
Italy

Tel. +39 0331 704628

Fax. +39 0331 704495

www.honeywell.com

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