

TEMALINE I/O MODULE

Digital I/O Device Management

The TK_C21P module provides four Supervised inputs and four 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 kind of digital sensor and to easily command external devices - delivering a flexible device that enhances a variety of applications.

BENEFITS

Easy to install

The direct LON connection and embedded I/O simplifies installation and engineering - while also reducing the number of system devices.

Free I/O management

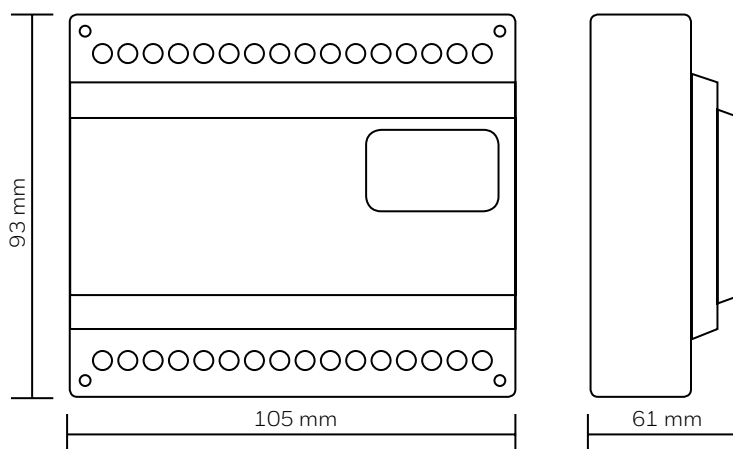
Now it's possible to share the I/O of an I/O module between different modular readers (TemaKeys) or to use the I/O of an I/O module for both gate management and minimal intrusion detection purposes.

Distributed point management:

Reduces home run wiring and cable costs - providing a faster response to field level.

KEY FEATURES

- Standard DIN/Omega RAIL 35
- TK_C21P supports four inputs and four outputs
- Echelon LON Device
- Tamper-proof
- Supervised inputs
- RoHS compliant and environmental friendly



TEMALINE I/O MODULE TECHNICAL SPECIFICATIONS

	PARAMETER	VALUE
TECHNICAL	Security Screw	4 screws
	Construction	Anti-opening mechanical tamper, Plastic housing
	Mounting specification	Wall or DIN rail mounting
ELECTRICAL	Supply Voltage	12 VDC \pm 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 Collector (Drain) 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) (from external Power supply) Normality: NO 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	12 V \pm 15% 300mA max. (overall/ internal PTC protection)
	Acoustic signal	Buzzer
PHYSICAL	Size (LxWxH)	105 x 93 x 61 mm
	Weight	0.2kg
ENVIRONMENTAL	Protection Rating	IP31
	Operating Temperature	-20°C / +60°C
	Operating Humidity	0 ÷ 90% not condensing
CERTIFICATIONS	Standards	Electromagnetic Compatibility Directive (2014/30/EU) General Product Safety Directive (2001/95/EC) RoHS EU Directive (2011/65/EU)



CODE	DESCRIPTION
TK_C21P	LonWorks digital I/O module. Module for 4 supervised (4 status) input signals and 4 powered outputs. To be connected to TS_AC01 or TS2.

Honeywell reserves the right, without notification, to make changes in product design or specifications.

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