

CIB – Built in module with combined inputs/outputs

Type	DI	DO	AI	AO	Comm
C-IT-0504S			5 x AI/DI	4 x AO	CIB

Basic features

- Module is designed for direct connection of resistive sensors, potential-free contacts and analog outputs 0 – 10 V on CIB bus.
- Universal inputs can be configured as analog or digital in two groups. First group contains 4 inputs, other one 1 input.
- Firmware of module linearizes characteristics of resistance sensor, optimizes accuracy of metering and calculates it to temperature, than it is transmitted into central unit.
- Inputs in digital mode can give the binary status 0/1 – on/off or they can work as double balanced inputs evaluating 4 statuses broken wire/off/alarm/tamper of security detectors.
- Status is indicated by LED at module (RUN).

Connection

- Inputs, outputs and bus are connected via the spring terminals.

Use

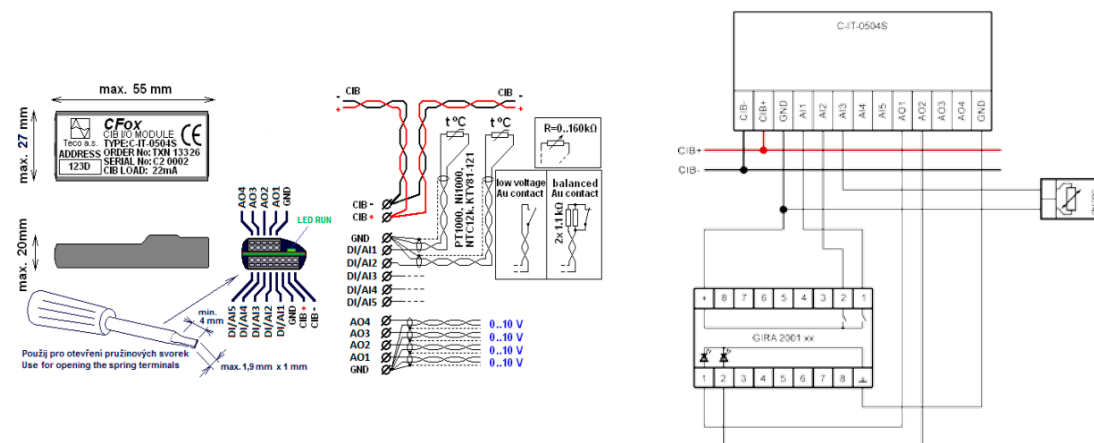
- Module is designed for connecting of wall switches equipped by different combinations of contact, resistance sensors and LED indicators with common cathode or other devices with analog inputs 0 – 10 V (dimmers etc.).
- Module can be used to connect low stroke wall switches of JUNG company:
A2224, CD2224, LS2224, AL2224
Flat design with modules 3212TSM and 3224TSM, and of GIRA company: 2001xx
- Module can be used as integrated sensors of up to 5 temperatures.
- Module can be used as integrated controller of up to 4 dimmers/ballasts controlled by 0 – 10 V, resp. 1 – 10 V with connection of 4 control buttons and 1 measurement of temperature.



C-IT-0504S
new version
with screwless terminals



Connection example



Examples of connected
drivers

Drivers JUNG



Drivers GIRA



Analog/universal inputs

Number of inputs	4+1
Galvanic isolation	No

Sensor type	Range	Basic accuracy
Potential free contact	0/1	0 if >1.5 kΩ 1 if <0.5 kΩ
Balanced input	interrupted wire 0/1/tamper	for 2 x 1k1 balanced resistor
Pt1000	–90 .. 320 °C	0.5 %
Ni1000	–60 .. 200 °C	0.5 %
NTC 12k	–40 .. 125 °C	0.5 %
KTY81-121	–55 .. 125 °C	0.5 %
Resistor	0 – 160 kΩ	0.5 %

Operating conditions

Operating temperature	0 .. +70 °C
Storage temperature	–25 .. +85 °C
Electric strength	according EN 60730
IP Degree of protection(IEC 529)	IP10B
Overvoltage category	II
Degree of pollution according IEC EN60664-1:2004	1
Working position	any
Installation	into installation box, under cover
Connections CIB and inputs/outputs	Spring-loaded terminals 0.15 to 0.5 mm²

Analog outputs

No. of outputs	4 x
Galvanic isolation	No
Nominal output voltage	10 V
Adjustable range of outputs	0..130%
Min. resolution	1%
Max. output current	3 mA
Max. capacity load	250 nF

Dimensions and weight

Dimensions	55 x 26 x 20 mm
Weight	7 g

Power supply

Power supply and communication	24 V (27 V) from CIB bus
Nominal/max. load	22 mA/80 mA
Typical/maximal input power	0.5 W/1.9 W
Internal protection	Yes

Order number

TXN 133 26	C-IT-0504S, CIB, 5 x AI/DI Temperature, contact, 4 x AO (0 – 10 V/3 mA)
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