

Type	DI	DO	AI	AO	Comm
C-IT-0200R-Time			2 × AI/DI		CIB
C-IT-0200R-ABB Zak			2 × AI/DI		CIB

Basic features

- Module is on CIB bus connectable module designed for interior temperature measurement. The temperature is measured by sensor placed in the cover
- It is possible to connect second, external sensor, for example for floor temperature measurement, outside temperature etc.
- Modules of temperature measurement are available in different manufacturer designs. Availability of design please check at producer.
- Built in temperature sensor is placed in lower part of cover. This placement maximizes accuracy of measurement and eliminates influence of module heating to measurement.
- Input for external temperature sensor and connection CIB bus is placed in bottom part of module.
- Firmware supports linearization and direct reading of temperature from external NTC 5k, 10k, 12k, 15k and 20k. For these types of sensors it eliminates even distortion, resp. error of measurement for long distance.
- Input for external sensor can be used for measurement of general resistance up to 100 kΩ.
- Status and error/operation is indicated by LED diode at bottom part of module.

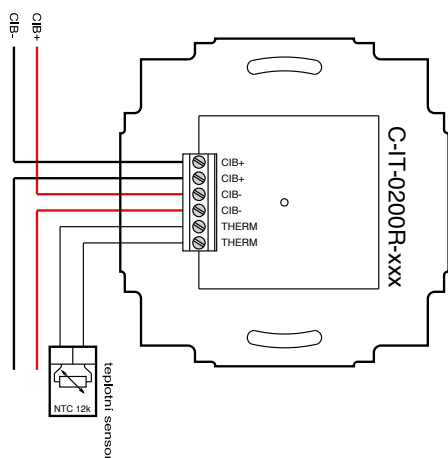
Connection

- Module is used for assembly on the wall into standard installation box.
- Module has two parts: top part with sensor in interior design and bottom with electronics of connection into CIB bus and connection of external sensor.
- Upper and bottom part are connected each other with cable with connector.

Use

- Module can be used for measurement of up to two temperatures. One interior and another external – for example outside temperature, floor temperature, etc.
- As external sensor we can connect also other resistance, for example photo resistance or potentiometer to set the value.

Connection example



Operating conditions

Operating temperature	0 .. +55 °C
Storage temperature	–25 .. +70 °C
Electric strength	according EN 60950
IP Degree of protection (IEC 529)	IP 10B
Overvoltage category	II
Degree of pollution IEC EN60664-1:2004	1
Working position	Vertical
Installation	Into installation box
Connection of CIB, AI	Screw terminals

Analog inputs

Sensor type	Range	Basic accuracy
Internal temperature	0 .. 55 °C	0.5 °C
External temperature (NTC 12k)	–20 .. +80 °C	0.5 °C

Dimensions and weight

Dimensions	89 × 87 × 25 mm or according used design + 13 mm height of bottom part imbedded in a box
Weight	80 g

Power supply

Power supply and communication	24 V (27 V) from bus CIB
Nominal/max. load	14.5 mA/17 mA
Nominal/max. input power	0.3 W/0.4 W
Internal protection	No

Order number

TXN 133 19.01	C-IT-0200R-Time; white/white, CIB, 2 × temperature (1 × internal, 1 × external)
TXN 133 19	C-IT-0200R-ABB Zak; CIB, 2 × temperature (1 × internal, 1 × external); cover and frame separately on request



C-IT-0200R-Time

Other designs on request



C-IT-0200R-Element



C-IT-0200R-Alpha



C-IT-0200R-Swing



C-IT-0200R-Tango

Designs ABB Solo, Future Linear, Impulse resp. others ask producer