

## Technical Information

Power supply	24Vdc from basestation
Programmable Functionality	<ul style="list-style-type: none"> <li>• 4 analog inputs (0÷10Vdc/0÷5Vdc/4÷20mA)</li> <li>• 4 digital inputs</li> <li>• 4 NTC10K inputs</li> <li>• 4 analog outputs (0÷10Vdc/0÷5Vdc)</li> <li>• 4 NTC10K and NTC1K ("Coster" emulation) outputs</li> <li>• 4 "open collector" digital outputs</li> </ul>
Sealing	IP30
Dimensions	90x52x58mm
Weight	50g
Mounting	DIN bar
Expansion Connection (Gateway or other expansion module)	Through specific connector
I/O Connections	Through screw terminal block



### Multifunction expansion module with four configurable I/O for "M" series basestations.

Multifunction expansion module that allows interfacing between "M" series basestations and four configurable channels (two couples): analog, digital, NTC and "open collector" contacts.

The I/O programmable functionality is bonded by keeping the same type of data for every channel couple.

#### Configurable Inputs.

The EXP4IO inputs may be configured (in pairs) during production process (configuration must be indicated during order).

Depending on the applied configurations, inputs may accept signals coming from 0÷10Vdc/0÷5Vdc/4÷20mA transducers, from NTC10K thermistors, or from pulse generators as electric energy meters, thermal energy meters or dimensionless generic pulse generators.

#### Configurable Outputs

The EXP4IO outputs may be configured (in pairs) during production process (configuration must be indicated during order).

Depending on the applied configurations, outputs may produce 0÷10Vdc/0÷5Vdc signals, emulate NTC10K and NTC1K thermistors (Coster) or become "open collector" outputs suitable for currents up to 1A and voltages up to 12V max.

## Ordering code nomenclature

EXP4IO -	n	n
	0	CH1 and CH2 → NTC10K SAB010 outputs
	1	CH1 and CH2 → NTC inputs
	2	CH1 and CH2 → pulse counter
	3	CH1 and CH2 → 0÷10Vdc analog inputs
	4	CH1 and CH2 → 0÷5Vdc analog inputs
	5	CH1 and CH2 → 4÷20mA analog inputs
	6	CH1 and CH2 → 0÷10Vdc analog outputs
	0	CH3 and CH4 → NTC10K SAB010 outputs
	1	CH3 and CH4 → NTC inputs
	2	CH3 and CH4 → pulse counter
	3	CH3 and CH4 → 0÷10Vdc analog inputs
	4	CH3 and CH4 → 0÷5Vdc analog inputs
	5	CH3 and CH4 → 4÷20mA analog inputs
	6	CH1 and CH2 → 0÷10Vdc analog outputs
	7	CH3 output → NTC 10K SAB010 CH4 output → NTC 1K SAE001 (external probe)

#### Example:

EXP4IO-66 → All channels configured as 0÷10Vdc outputs.

The features shown may be subject to change without notice.