

ICMK-CS31 remote unit

1.5.1.2 Selection of the lowest or highest zone of channels:

The dip-switch 8 is used to select the lowest or highest zone of channels of the remote units.

⇒ When in "OFF" position, depending type of remote units, (xx = address of the remote unit)

The selection channels is (xx.00 up to xx.07) or (xx.00 up to xx.15)

⇒ When in "ON" position, depending type of remote units, (xx = address of the remote unit)

The selection channels is (xx.08 up to xx.15) or (xx.08 up to xx.15 and xx+1.00 up to xx+1.07)

This option is realised in ICMK-CS31 remote unit with its input IN7.

Warning: The function of dip-switch 1 is not possible with ICMK-CS31 remote unit.

This dip-switch 1 was only used with remote unit ICSC08L1 and ICFC16L1

⇒ When in "ON" position, all channels are set on outputs only.

⇒ When in "OFF" position, the function of the each channel is configured by the user program.

1.5.1.3 Configuration for the range of bits used within a word: (analog format)

The dip-switches 2 and 3 are used to determine the range of bits used within a word.

Three different options can be configured.

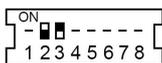
1) Configuration most significant byte (analog format ± 32767)

	2	3
ON	X	
OFF		X



2) Configuration least significant byte (analog format 255)

	2	3
ON		X
OFF	X	



3) Configuration (analog format ± 4095)

	2	3
ON		
OFF	X	X



4) Configuration as binary remote unit for ICSM06A6

	2	3
ON	X	X
OFF		



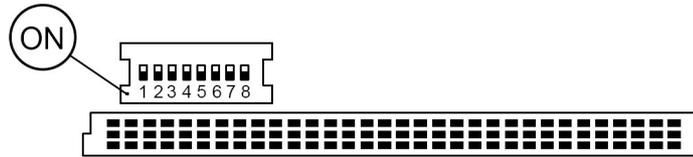
Warning: These options are realised in ICMK-CS31 remote unit with its input **INO** apart from the **format 255** (2) for analog remote units (this format, for instance, could be used with T200 central unit) and configuration as a binary remote unit for ICSM06A6 (4).

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1.5.2 Verification of hardware configuration on the analog remote units:

Before first of all, the most important will be to check and record the position of dip-switches of 30 series analog remote units, the dip-switches are accessible on the rear of remote unit.

These dip-switches are present on the following analog remote units:
(ICSE08A6, ICSE08B5 and ICSA04B5)



1.5.2.1 ICSE08A6 and ICSE08B5 analog remote units:

The selection between current and voltage format depends on position of dip-switches on the rear of remote unit.

One dip-switch is for one channel.

⇒ When in “ON” position, the format selected is current.

⇒ When in “OFF” position, the format selected is voltage.

This option is realised on XE08B5 extension (added on ICMK-CS31 remote unit) channel by channel with position of its dip-switch and push button on the front face.

1.5.2.2 ICSA04B5 analog remote unit:

The selection between current and voltage format depends on position of dip-switches on the rear of remote unit.

Two dip-switches are for one channel.

The cabling on ECZ determines after that the choice current or voltage

dip switch	output current	output voltage
OFF ON	0 ... 16 mA*	± 10 V
OFF ON	4 ... 20 mA	± 10 V
OFF ON	4 ... 25 mA*	± 12.5 V
OFF ON	0 ... 20 mA	± 12.5 V

Warning: Only the formats ± 10V, 0...20mA and 4...20mA are available with ICMK-CS31 remote unit. If another format is selected, it will not possible to replace the CS31 analog remote unit without hardware and user program modifications.

This option is realised on XM06B5 extensions (added on ICMK-CS31 remote unit) channel by channel with position of its dip-switch and push button on the front face.

1.5.3 Verification of hardware configuration on the 30 series analog input remote units: (Temperature type)

Before first of all, the most important will be to check and record the electrical connection of temperature sensors on ECZ plug in base, in order to select 2 or 3 wires connection.

This option is realised in ICMK-CS31 remote unit with its input **IN4**.