

FREQUENCY INPUT SETPOINT DETECTORS



DAS 10I



DAS C10I

Easy programming on front face with a micro-console or with the PC software MCVision.

Programming with the Micro-console

The series DAS accepts 2 types of μ consoles:

- the old generation with 4 alphanumerical electroluminescent green digits,
- the new generation with graphical rear-lit LCD.

The LCD allows visualising 4 pieces of information:

- the measure value,
- the unit of the displayed measure,
- the product marking name,
- the status of the relay outputs.

This μ console with LCD also allows displaying this information either vertically or horizontally, according to the sense in which the converter is mounted.

Programming by PC: MC VISION

Programming software (Windows environment) allowing:

- the storage of configurations as files which can be consulted, modified, duplicated or loaded into the converters,
- the edition and printing of files with or without having a converter connected.

♦ **CE** according to IEC 61000-6-4, IEC 61000-6-2 (industrial environment).

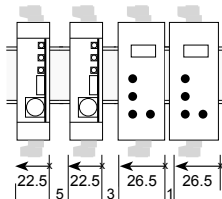
♦ Disturbance immunity according to the standard

IEC 61000-6-2 (IEC 61000-4-3 level 3, IEC 61000-4-4 level 4,

IEC 61000-4-6 level 3)

Dimensions

Self-extinguishing case of black UL 94VO ABS.
Mounting in switchbox: latching on symmetrical DIN rail.
Rack version: consult.



Dimensions: 22.5x75x120 mm
with μ console: 26.5x80x130 mm

To allow the inserting of the μ console, mount the instruments vertically (on horizontal DIN rail) leaving a 5mm space between each.

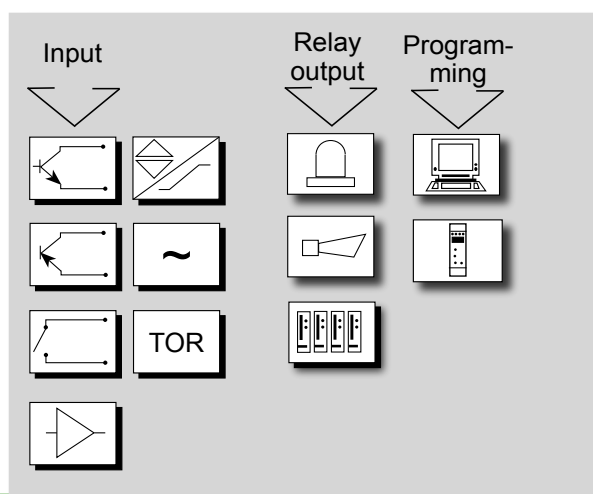
Operating T°: -10° to 50°C

Storage T°: -20 to 70°C

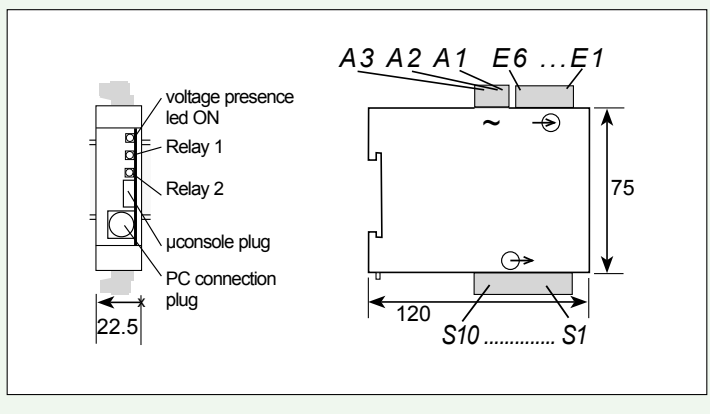


The friendly interface

Functions



Dimensions



Coding

Type	DAS C 10 i
	with micro console

Power supply:

20 to 270 VAC and 20 to 300 Vdc

Power draw : 3 W max. 4 VA max.

Dielectric withstanding : 2 kV-50Hz-1min.

Order example: For a setpoint detector without console: **DAS 10I**

Features

Frequency measure input

- **Type of sensor:** npn, pnp, logic, namur, contact, alternating.
- **Logic:** voltage up to 18V
Low level ≤ 1.2 V
High level ≥ 2.1 V
- **Npn or contact:**
Input resistance 4.7K Ω to the +18 Vdc
- **Pnp:**
Input resistance 10 K Ω to the GND
- **Namur:**
Supply 8.4 V (10 mA max.)
Input resistance: 1 K Ω to the GND
Low level ≤ 1.2 mA
High level ≥ 2.1 mA
- **Alternating:**
Signal can range from 5 to 500 Veff.
Input resistance: 1 M Ω
- **Measurable frequency** from 0.01 Hz to 130 KHz according to the sensor type.
- **Accuracy:** 0.025% of the measure
- **Scale factor** programmable
- Enlarging effect
- **Linearisation:**
- Linear input or special linearisation in 41 points (in x and in y)
- Cut off programmable
- **Filtering:**
Programmable analog filter: allows to suppress any parasite noises.
Digital filtering, coefficient and action range programmable allows stabilising the display in case of unsteady input.
- **Sampling time:**
1 measure window + 1 signal period
Measure window: 100 ms
- Programming of the minimum measurable frequency

Outputs

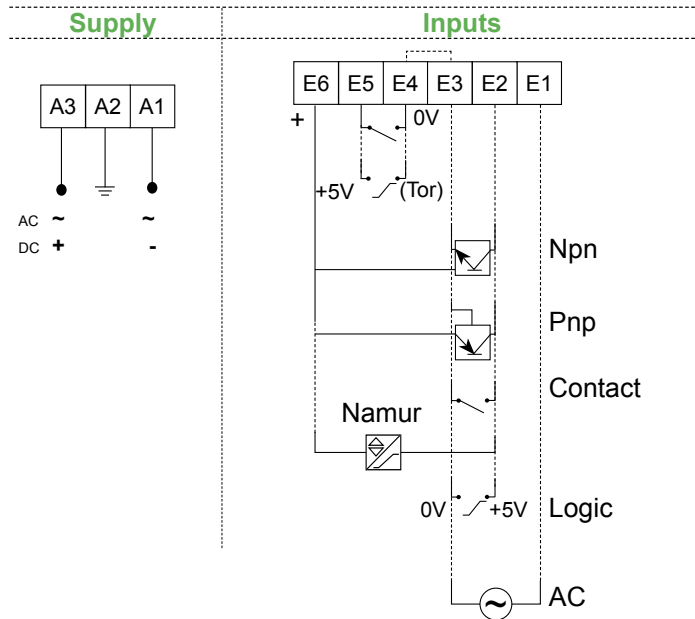
Types of OUTPUTS	Features
2 inverting relays	2 setpoints per relay, configurable over the whole MR. Hysteresis programmable from 0 to 100%. Time delay programmable from 0 to 25 sec. (8A/250VAC on resistive load)

Galvanic partition:

2kV-50Hz-1min.between supply, input, relay outputs

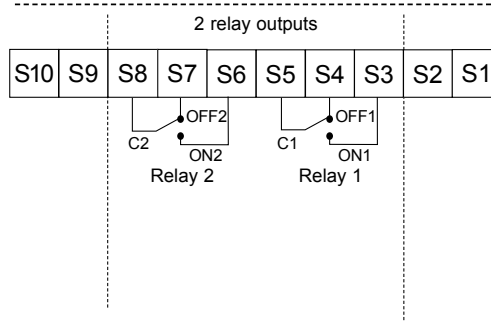
Connectings

Upper connectors



Lower connector

Outputs of the DAS 10I



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