

MULTIPLIER DIVIDER

2 INPUTS

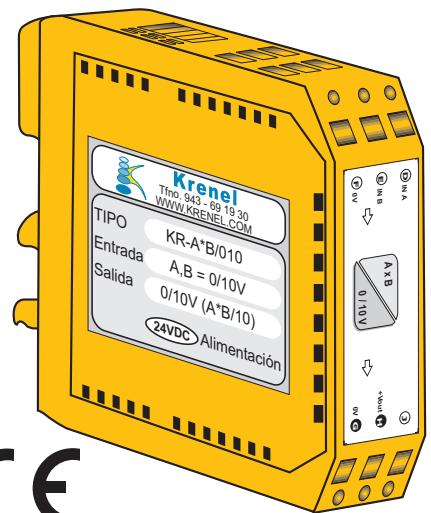
**0/10V,
4/20mA**

...
ARITHMETICS

AxB

A:B

CE



DESCRIPTION

These modules multiply or divide 2 analog voltage or current signals. The result is converted into a voltage signal, whose output gain is adjustable.

They are presented in modular configuration to fit in profiles DIN EN rail, and in format for field use, with protection IP65. Both of reduced space and consumption.

TECHNICAL CHARACT.

- Supply voltage	24 VDC (+/-10%)
- Working temp	- 10° ... +55° C
- Max global error	< 0,1%
- Max consumption (max load 1 K)	20 mA
- External access to the SPAN and CERO	
- Protection against shortcuts in the output	

INPUT

- Input impedance (voltage)	> 100 K
- Input impedance (current)	50 ohm
- Max input current	50 mA

OUTPUT

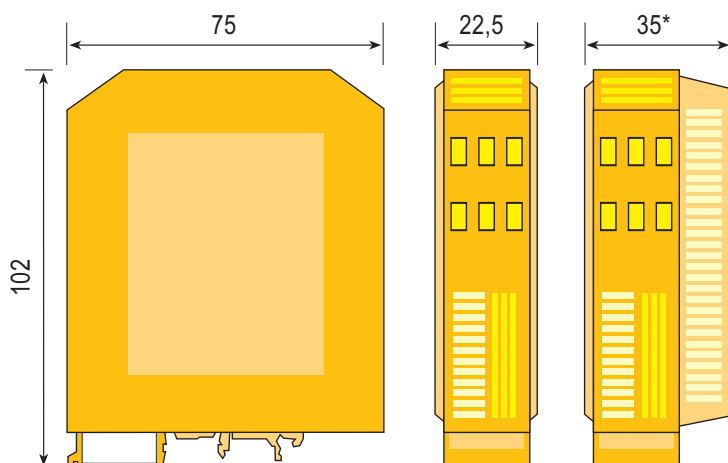
- Output max current	10 mA
- Load impedance	min. 1 K

REGULATIONS COMPLIANCE

CE

Electromagnetic Compatibility	2004 / 108 / CE
Low voltage for amb. industrial	2006/95/CEE
Electromagnetic emissions	UNE-EN 50081-2
Electromagnetic immunity	UNE-EN 50082-2
Waste electronics(WEEE)	2002 / 96 / CE

DIMENSIONS (mm)



MECHANICAL

Protection:	IP 20
Connection wire:	< 2,5 mm, 12 AWG
Box:	Polyamide UL94. V2
Weight: max.	75/120 gr.
Rail:	EN 50035, EN 50022

MODELS

SUPPLY	Multiplier	Divider
24VDC	KR-(AxB)010/010	KR-(A:B)010/010
* 230VAC	KR:(AxB)010/010	KR:(A:B)010/010

CONNECTION

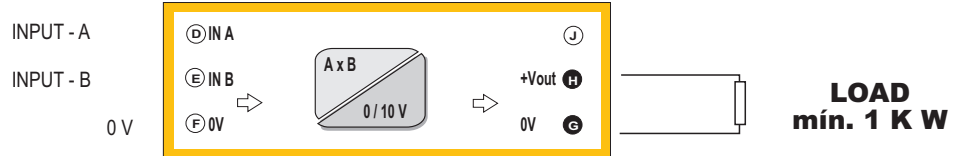


MULTIPLIER (A x B / 10)

REFERENCES:

KR - (A x B) 010 / 010

KR : (A x B) 010 / 010



MULTIPLIER APPLICATIONS

- Obtaining mechanical power from torque and speed.
- Determination of the torque, multiplying the force by the arm.
- Determination of the instantaneous flow, from Weight x Speed.

DIVIDER (A : B)

REFERENCES:

KR - (A : B) 010 / 010

KR : (A : B) 010 / 010

