

# A2S

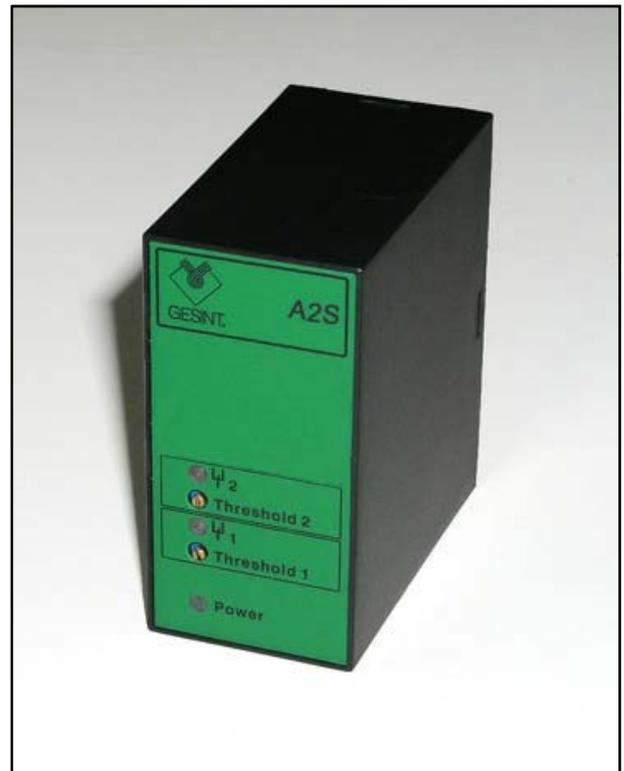
Technical data

# A2S

A2S gb

2 current or voltage thresholds

Power supply: 24Vdc, 24Vac, 115Vac, 230Vac  
 Power consumption: 2,5 VA max.  
 Storage temperature: -30÷+80 °C  
 Working temperature: -10÷+50 °C  
 Analog input: 4÷20mA or 0÷10V  
 Impedance input: mA input 50ohm, V input 10Kohm  
 Contact rating: SPDT 250V 3A Max  
 Hysteresis: 2% fixed  
 Display: green led - supply, red leds - thresholds



## A2S General

The A2S is a device that converts a linear analog signal into the three different thresholds.  
 The A2S could be used as current threshold or voltage threshold, on the ground of the model  
 The particular constructive technology of the A3S can allowed to connect more units together, obviously with the same analog input signal

## A2S Mechanical installation

The A2S has an undecal socket that is designed to be fixed in the din-rail.

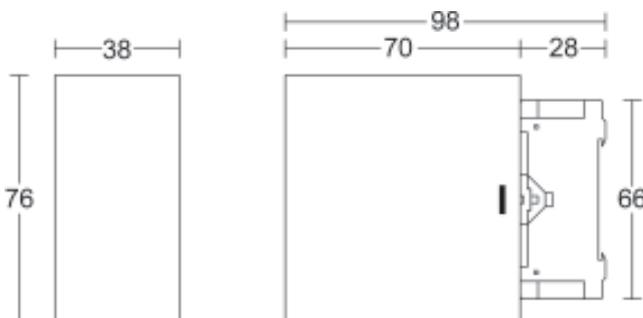


fig.1

## A2S Application

The A2S can be connected at the EEx ia IIC T6/T5/T4 certificate compact capacitance level transmitter TC30 (fig.2)

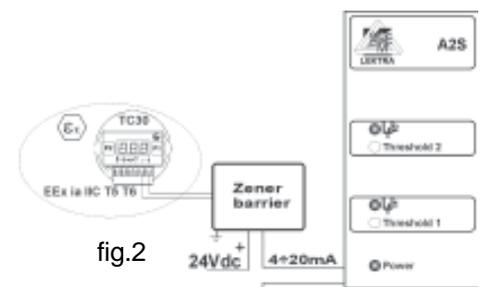


fig.2

More than one A2S units can be connected at the same level measure analog signal

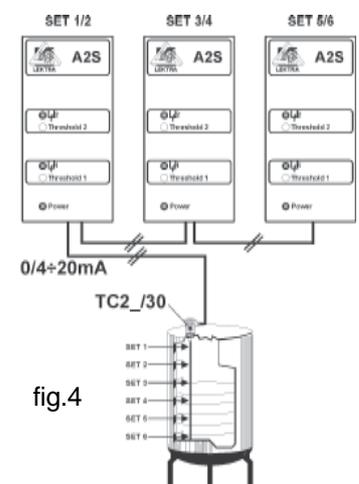


fig.4

## A2S Calibration

The calibration of the thresholds is performed in the following way:

- set the input analog signal level to the alarm level;
- starting from minimum, turn slowly the trimmer of the threshold to be calibrate until to get the desexcitation of the relay; at this point turn the trimmer toward the minimum until to get the excitation of the relay. The trimmer must be positioned between the two points that determine the relay release.

All the three thresholds are max. alarm level, and the relays are normally energized.

All the threshold hysteresis are 2% fixed.

## A2S Warranty

The warranty expires when damages they have provoked from the use not quite or from not correct installations. The warranty is valid for a period of 12 months from the acquisition behind presentation of the manual present of installation. All the reparations in warranty will have realised beside our establishment in Rodano (MI), the costs of dismounting and reinstalling of the device and the costs of transport will be paid by the customer.

## A2S Factory test certificate

In conformity to the production and check procedures I certify the equipment:

A2S ..... serial n. ....  
satisfy technical characteristics as write in TECHNICAL DATA  
and it is conform to the internal procedures

Quality control Manager

.....

Date of manufacture:

.....

## A2S Electrical connections

The diagram of the electric connections has shown in figures 6 and 7.

Minimum section of the cables: 0.5 mm<sup>2</sup>

Maximum length of the cables: 250 m

The cables of connection must have separate run from the cables of power.

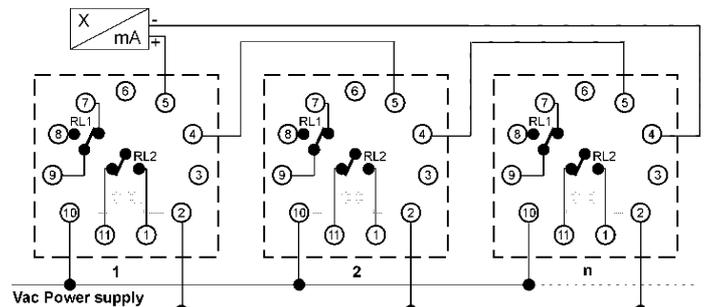
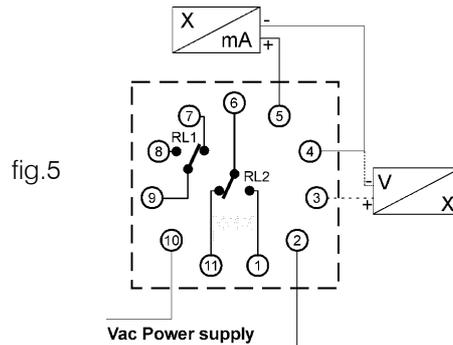


fig.6

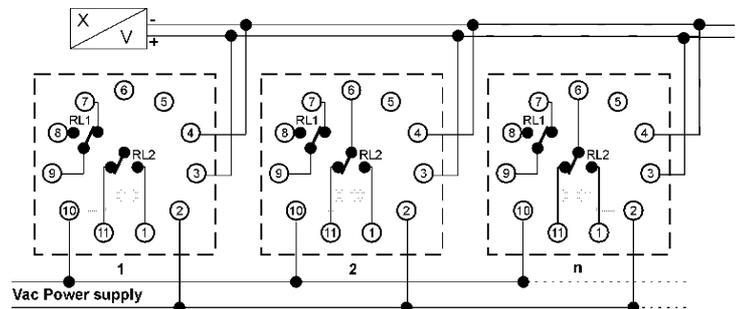


fig.7



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