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## Блоки преобразования сигналов IAMA RED LION. Техническое описание

### Description:

IAMA universal signal conditioning modules isolate and convert over 100 combinations of analog signal ranges. The IAMA3535 signal conditioning product converts and transmits signals linearly proportional to the input, while the IAMA6262 transmits the scaled square root of the input signal. This allows the IAMA6262 to provide a signal that is linear to flow rate in applications utilizing a differential pressure transducer.



The IAMA features a DIP switch for range selection which eliminates the need to order and stock different modules for each input and output signal range. The DIP switch also allows for quick and convenient setup for over 100 standard signal conditioning combinations. By utilizing the field mode of calibration, the user can customize the input and output scaling for non-standard applications, including reversal of the output relative to the input.

In addition to the signal conditioning capabilities, the IAMA modules feature optically isolated input/output signal circuits and transformer isolated power to input, power to output circuits.

The unit's accuracy typically exceeds 0.05% depending on the range selection and scaling. The microprocessor based design provides ease of field scaling and the onboard E2PROM stores scaling values for future recall. All units are factory calibrated for all input and output ranges. Factory or custom field scaling can be selected in the advanced programming loop. The IAMA is flexible enough; it can even be recalibrated in the field.

The unit is equipped with a universal mounting foot and can be mounted to top hat (EN 50 022) and G profile (EN 50 035 – G32) DIN rail.