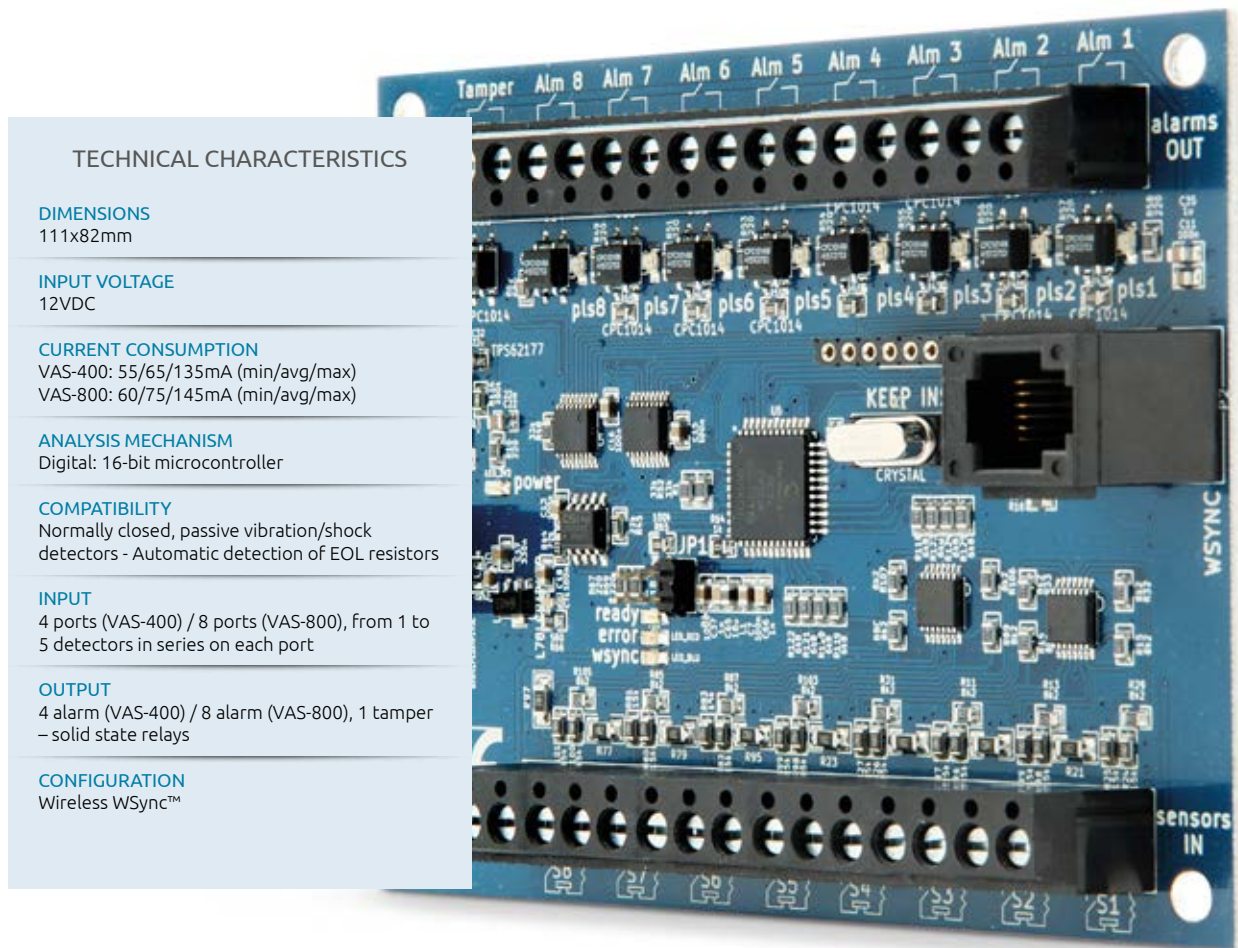**VAS**

4/8 channels

VAS-400 and VAS-800 models

MULTI-CHANNEL VIBRATION ANALYSIS BOARDS

WSync

VAS-800

TECHNICAL CHARACTERISTICS

DIMENSIONS
111x82mm

INPUT VOLTAGE
12VDC

CURRENT CONSUMPTION
VAS-400: 55/65/135mA (min/avg/max)
VAS-800: 60/75/145mA (min/avg/max)

ANALYSIS MECHANISM
Digital: 16-bit microcontroller

COMPATIBILITY
Normally closed, passive vibration/shock
detectors - Automatic detection of EOL resistors

INPUT
4 ports (VAS-400) / 8 ports (VAS-800), from 1 to
5 detectors in series on each port

OUTPUT
4 alarm (VAS-400) / 8 alarm (VAS-800), 1 tamper
– solid state relays

CONFIGURATION
Wireless WSync™

Analysis board for passive vibration detectors
Mutiple independent channels

VAS-400 and VAS-800 are analysis boards for passive vibration/shock detectors, with 4 independent channels (VAS-400 models) or 8 independent channels (VAS-800 models). Although they have been specifically designed for CLIC V-series sensors, they offer full compatibility with any passive, normally closed vibration detector on the market. Each port accepts a single sensor or a series of up to five sensors. Each detector can be installed with or without EOL resistors. In the latter case, the board automatically detects its value, from 2.2 kOhm to 11 kOhm.

Each channel has an independent alarm output port. One tamper output port is shared by all channels. Each alarm output gets open for 2 seconds when configuration thresholds are exceeded by the corresponding detector. The tamper output gets open for 2 seconds when one of the following conditions applies to one of the input detectors: open circuit, magnetic tampering on CLIC V-series sensors, short circuit, variation in EOL resistor value (only for detectors with EOL resistors). Tamper events are also signalled by the blinking of the output LED that corresponds to the input port that generated it, which simplifies maintenance operations.

The board analyses impulses from each detector according to four configuration parameters, which are set independently for each channel: the **strong shock sensitivity**, the **weak shock sensitivity**, the **number of weak shocks** necessary to trigger an alarm (1-8), and the **reset time of the weak shock counter** (5-300sec).

Each configuration parameter and all maintenance data can be set and visualised using the exclusive WSync™ wireless system, available for both smartphones and tablets.