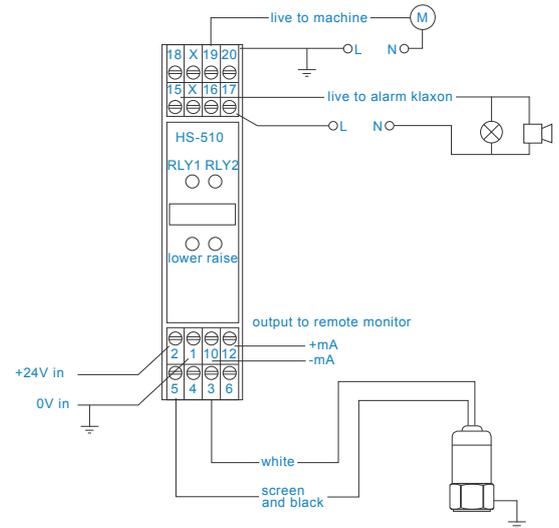# HS-510 Vibration Trip Module
with LED display

Key Features

- Fully configurable
- Delay start-up
- Dual relays
- Various inputs
- Relay inhibit

Technical Performance

Input	0-10VDC or 4-20mA from HS-420 or HS-530, HS-535 or HS-556
Power Requirements	16 to 30 VDC (HS-570 Power Supply Module)
Maximum Current	120 mA
Display Range Options	0-100 mm/sec (programmable)
	0-100g (programmable)
	0-100 ºC
Display	3½ digit (Green LED)

Mechanical

Case Material	Plastic
Mounting	DIN Rail TS35 (Top Hat)
Dimensions	114.5 x 99 x 22.5 mm (HxDxW)
Connections	Screw Clamp
Conductor Size	0.5 to 4.0 mm
Weight	140 gms (nom)

Electrical

Set Points	Dual relays (front panel programmable)
Relay Rating	3 Amps at 240 Volts AC
Relay Status	N/O or vN/C
	Latching / Non Latching
Relay Delays	Up to 1200 secs
Outputs	4-20 mA or 0-10 Volts DC

Environmental

Operating Temperature Range	0 to 55 ºC
Installation Category (IEC664)	II
Equipment Class (IEC536)	III
EMC	EN61326-1:2013

How To Order

Product Prefix HS - Hansford Sensors	Product Series 510 - Vibration Trip Module with LED display		Maximum Input Range	Alarm Relay 1 / 2 L - Latching N - Non-Latching	Delay Relay 1 / 2 1 - 5 seconds 2 - 10 seconds 3 - 30 seconds 4 - 60 seconds

H	S	5	1	0	X	X	X	X	X	X	X	X	X

Input Source
A - Accelerometer
M - Module
T - Temperature sensor

Input Type
I - 4-20mA
V - 0-10V
L - 0-10V for LM35
J - J Type Thermocouple
K - K Type Thermocouple
R - 2 Wire RTD
S - 3 Wire RTD
X - Other (specified with order)

Isolated Output
I - 4-20mA
V - 0-10V

Available in four factory configured versions for use in vibration monitoring systems :

HS-510AI .... For use with HS-420 4-20mA sensors
HS-510MV ... For use with HS-530 & HS-535 Series modules with 0-10V output
HS-510MI .... For use with HS-535 Series modules with 4-20mA output
HS-510TL .... For use with LM35 temperature sensors as used in HS-100T sensors

Hansford Sensors
Excellence in Vibration Monitoring

www.hansfordsensors.com
sales@hansfordsensors.com

TS022.5