

ALARM INTERVALS

Tab1.

ISO 20816-3		Medium Machines Group 2		Large Machines Group 1	
Velocity		Rated Power			
in/sec eq. Peak	mm/sec RMS	15 kW - 300kW		300 kW and Up	
0,61	11,0	DAMAGE OCCURS			
0,39	7,1				
0,25	4,5	RESTRICTED OPERATION			
0,19	3,5	UNRESTRICTED OPERATION			
0,16	2,8				
0,13	2,3	NEWLY COMMISSIONED MACHINERY			
0,08	1,4				
0,04	0,7				
0,00	0,0				
Foundation		Rigid	Flexible	Rigid	Flexible

A  B  C  D 

Tab2.

IEC 60034-1	
TYPICAL ENGINE CASING TEMPERATURE	MEDIUM MACHINES
80°C – 180°C	DAMAGE OCCURS
70°C – 80°C	RESTRICTED OPERATION
0°C – 70°C	UNRESTRICTED OPERATION

A  B  C 

- ✓ Shown above is a table regarding the alarm thresholds defined by the ISO 20816-3 standard and the IEC 60034-1 standard.
- ✓ Different thresholds can be easily programmed for each channel (vibration, process)

PREDICTIVE AND PROCESS MONITORING SYSTEM

6SV_2T-MV26



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MODEL: 6SV_2T-MV26

Components

1. Technopolymer box halogen-free (IP-65)
2. PLC
3. Modulo AM2 - (0/4...20mA)
4. Modulo AM2 RTD-(PT100/PT1000)
5. Alarm Buzzer
6. Fuse holder
7. Silence Alarm Button
8. RTD Temperature Sensors (2)
9. Process Sensors (8)
(Vibration, Pressure, Temperature, Lubrication, etc.)

* Also available:

- 3 digital inputs
- 3 digital outputs
- Communication Protocol:
 - Modbus TCP
- Physical port: Ethernet (502-510)

*Optional:

- Industrial Communications Routers
(4G, Wi-Fi, Cloud, etc.)



Considerations

- L+ = 24 VDC
- 8 Analog Inputs Provided:
 - ✓ AI1, AI2, AI3, AI4, AI5, AI6.
 - ✓ AI7, AI8 (PT100)
- 4 thresholds are defined for each vibration signal (Tab.1) or process signal:
 - ✓ **EXCELLENT (A):**
New machinery.
 - ✓ **SATISFACTORY (B):**
Unlimited operation.
 - ✓ **ALERT (C):**
Reserved operation.
 - ✓ **DANGER (D):**
Damage occurs.
- 3 thresholds are defined for each temperature signal (Tab.2):
 - ✓ **EXCELLENT (A):**
Unrestricted operation.
 - ✓ **ALERT (B):**
Restricted operation.
 - ✓ **DANGER (C):**
Damage occurs.
- The measured values and related alarm thresholds are displayed on the screen

*Optional:

- Power supply: 90 - 264VAC /
47 - 63HZ

