

Thermal Watch

Failsafe Wireless Temperature Monitoring



Models Available :
TWS1 / TWS2

Threshold Available :
60 / 70 / 80 / 90 / 100°C

Why Wireless Temperature Monitoring?



10 years Lifespan

Industrial battery and infrared communication ensure low power consumption and long lifespan



Secure & Fail Safe

Independent temperature monitor and operating till 115°C



Simple Operation for User

With 24/7 temperature monitoring



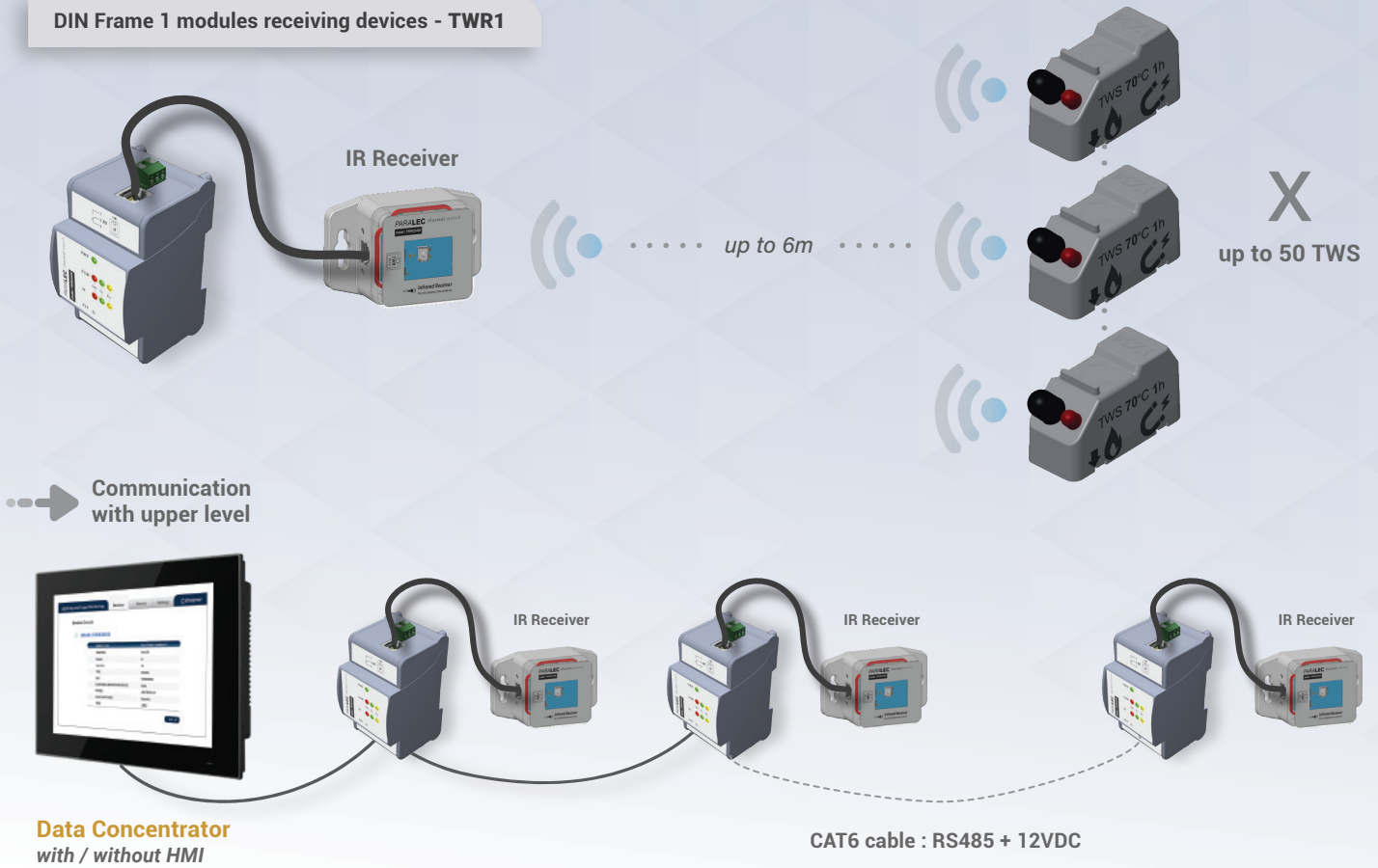
Easy Installation & Maintenance

Operative indoor and outdoor

Overview System

THERMAL WATCH SENSOR - TWS

DIN Frame 1 modules receiving devices - TWR1

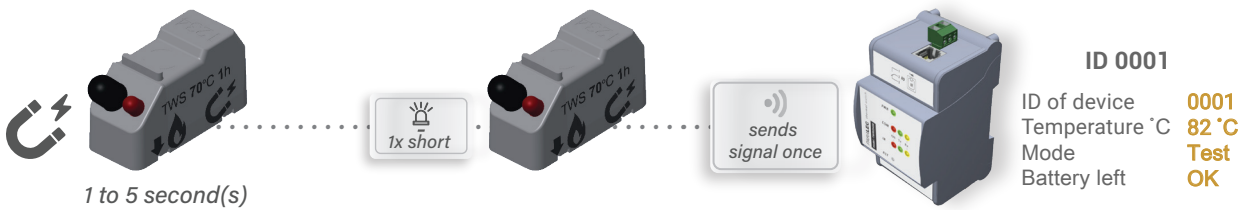


Data Concentrator with / without HMI

LAN or WIFI connection
IEC61850 / DNP3 /
MODBUS or REST API

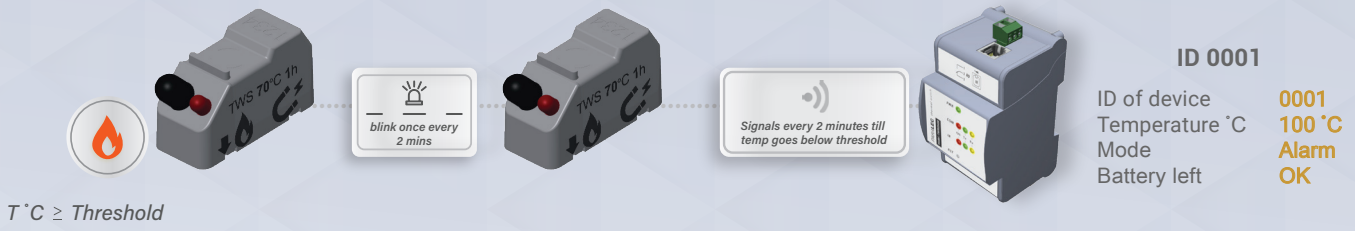
CAT6 cable : RS485 + 12VDC

TESTING Sensor

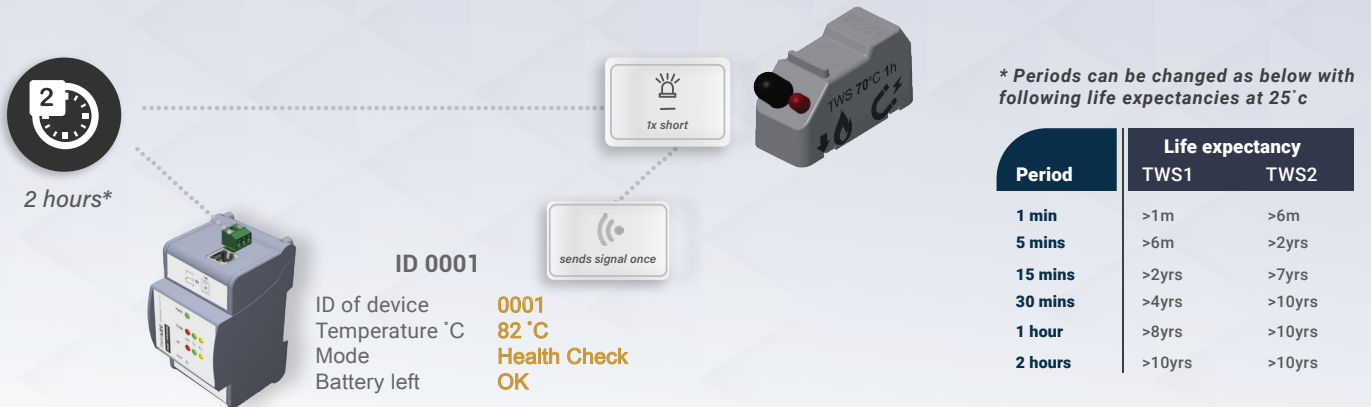


i For commissioning tests, LED emission is set at lowest battery in order to simulate the "worst case emission"

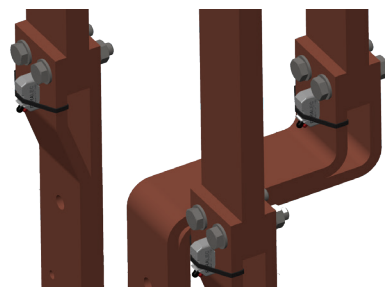
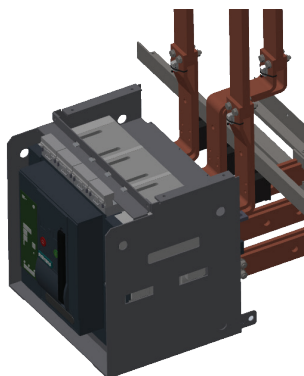
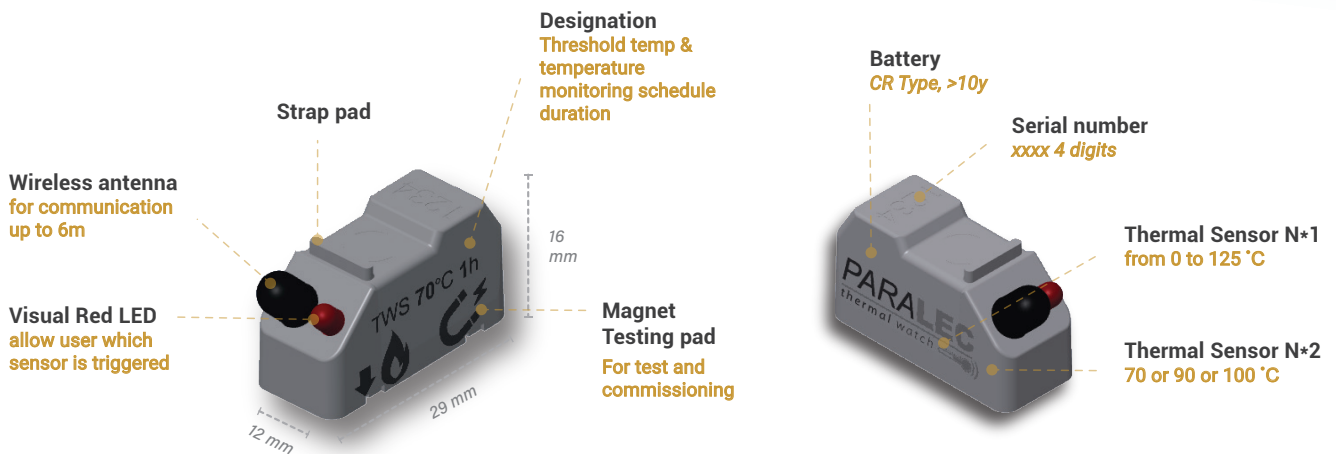
ALARM Mode



TEMPERATURE Reporting



TWS - Thermal Watch Sensor



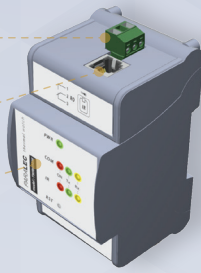
THERMAL WATCH RECEIVER

Dry contact output

For LED or control other devices

Connection for IR receiver
RJ12, up to 3m

ON & Communication
Green/Yellow LED indicator

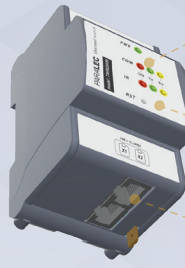


ALARM

Red LED indicator

Reset button

Communication & Power
RJ45 IN and OUT

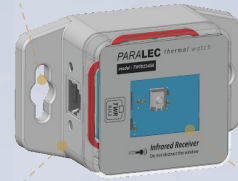


Mounting holes for easy installation

Hole slots

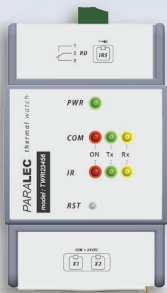
Connection for IR DIN
RJ12, up to 3m

Cleanable receiver

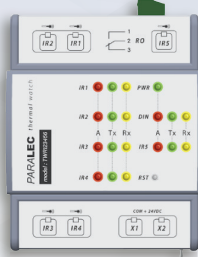


TWR1-DIN = DIN Receiver

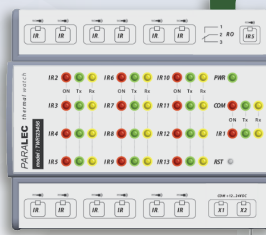
TWR1-IR = IR Receiver



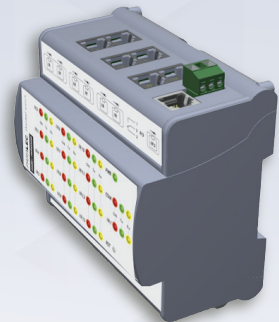
DIN receiver
1 IR-port



DIN receiver
5 IR-ports



DIN receiver
13 IR-ports



HOW TO ORDER

109-TWS Thermal Watch Sensor

Digit 4		Digit 5		Digit 6		Digit 7		Digit 8		Digit 9,10	
Type	Temperature	Temperature		Health check period		Commissioning delay		Mounting		Spare	
1	TWS1 85 °C	1	60 °C	1	1 min	1	15 mins	1	Strap	11	Default
2	TWS2 115 °C	2	70 °C	2	5 mins	2	30 mins	2	Metal plate		
		3	80 °C*	3	15 mins	3	5 mins	3	Embedded hole		
		4	90 °C*	4	30 mins						
		5	100 °C*	5	1 hour						
		6	2 hours								

* only for TW2

110-TWS Thermal Watch Receiver

Digit 5		Digit 6		Digit 7		Digit 8		Digit 9,10	
temperature		Number of corded sensors		Cable length		Modbus connector		Spare	
1	DIN- Receiver	1	1 x IR receiver	1	None	1	RJ45	11	Default
2	IR-Receiver	2	5 x IR receivers	2	1m	2	DB9		
3	RJ12 cables	3	13 x IR receivers	3	2m	3	Terminal		
4	LAN CAT6 RJ45 cables			4	3m				
5	Adapters								



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