



REMOTE TEMPERATURE MONITORING DEVICE



Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001:2015
IAF



ISO 13485:2016
NABCB/IAF



ISO 45001 : 2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6.

INTRODUCTION

Advanced Digital Monitoring for Walk-In Coolers

MarkEn's Programmable Remote Temperature and Event Monitoring System (PRTEMS) is an India-manufactured solution, rigorously tested to meet WHO-PQS norms (E006/TR03-VP.2) from a WHO-PQS certified lab. Designed for precise temperature monitoring and event logging, it ensures optimal conditions for medical storage, food preservation, and temperature-sensitive materials.

KEY FEATURES

CUTTING-EDGE FEATURES



Operating Temperature Range: -10°C to +43°C

ACCURACY: $\pm 0.5^{\circ}\text{C}$ WITH A RESOLUTION OF $\pm 0.1^{\circ}\text{C}$



Digital Temperature Indicators: Two display cum controllers mounted on the Walk-In Chamber (WIC) wall, each with an independent sensor for its refrigeration unit.

REAL-TIME DATA LOGGING & IOT-BASED CONTROL:



8/16-Channel Data Logger enables real-time online temperature monitoring for users and contractors.



Adjustable Logging Intervals between 1 to 10 minutes for customizable data tracking.



IoT-Enabled System with Wi-Fi, USB, and Wi-Fi dongle connectivity for remote access.

COMPREHENSIVE RECORDING & BACKUP SYSTEMS:



Wall-Mounted Graphic Temperature Recorder



Battery backup for uninterrupted operation.



Seven-day recording on graphic chart paper with a permanent ink marker.

BACKUP GAS OR VAPOR PRESSURE DIAL THERMOMETER:








Mounted at an easily accessible position for quick readings.






Compliant with PQS E006/TH02 standards.




OPTIONAL TEMPERATURE CHART RECORDER:

	Temperature Range: 0°C to +50°C
	6-inch LED/Digital Display
	Resolution: 0.1°C
	24/7 Continuous Recording
	Battery Backup System






ADVANCED AUDIO-VISUAL ALARM SYSTEM:

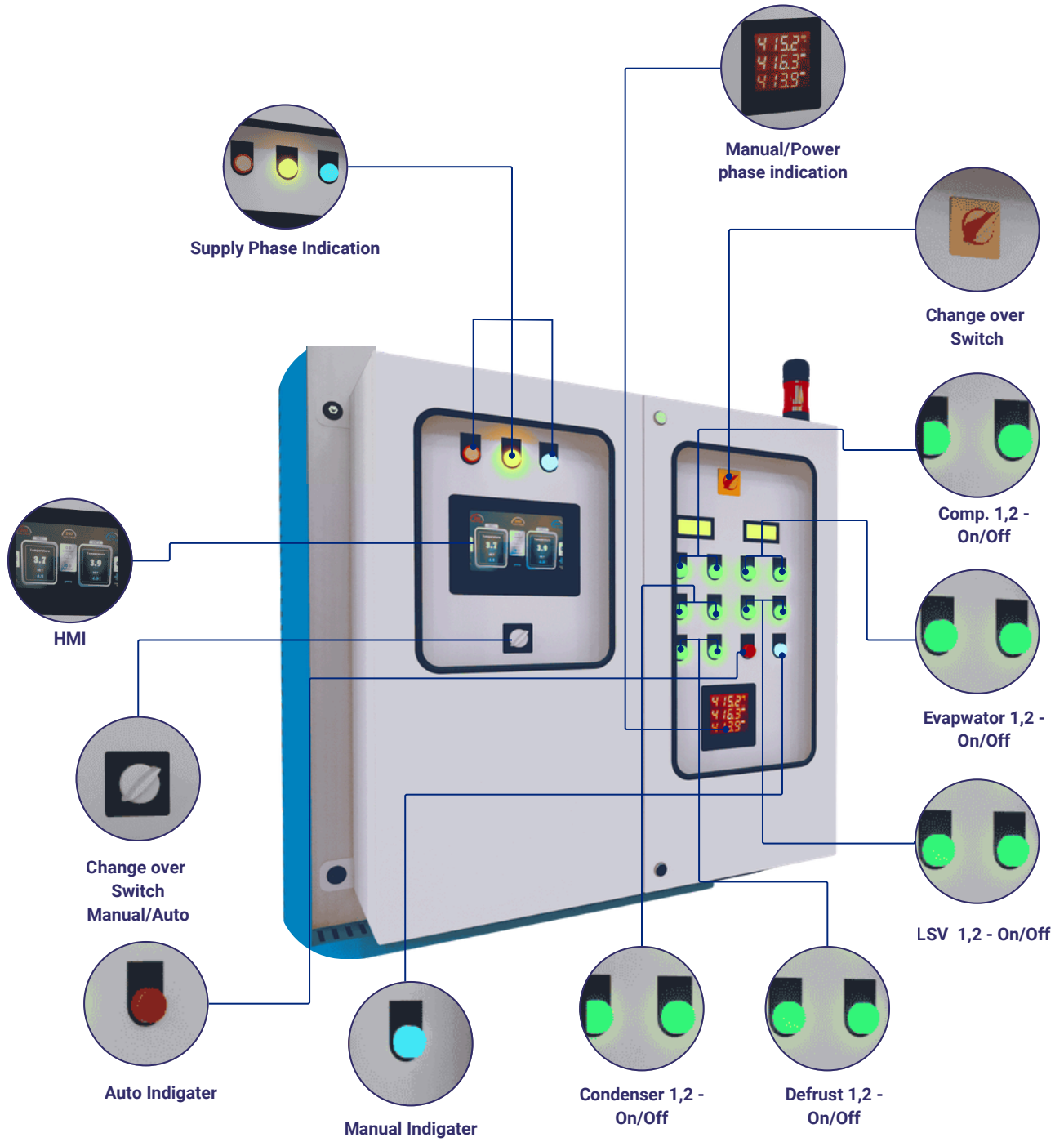
	Reliable Alerts for Critical Situations
	MarkEn PRTEMS is equipped with a mains-operated audible & visible loud alarm system with battery backup and automatic recharge.
	It ensures immediate alerts in case of power failure or temperature deviations beyond set limits.

PROGRAMMABLE ELECTRONIC ALARM SYSTEM:

	Compliant with WHO/PQS/E006/TR03 standards, ensuring accurate temperature maintenance and instant alerts in case of fluctuations.
	Acoustic alarm system meets WHO/PQS/E06/AL01-01 or E006/TR03 specifications.
	Buzzer Alarm System (Two-Hour Battery Backup)

PROVIDES VISUAL & HOOTER/BUZZER ALERTS FOR:

	Low or High Temperature Deviations
	Power Failure
	High-Pressure Dirty Condenser
	Open Door Alert
	Probe Failure



CAPACITY	
Type : 16 Channel	
Type : 8 Channel	
As per customer requirement	

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
Medical Equipment
Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



400+

Product Range



500+

Service center



1000+

Committed Engineers



1,00,000+

Satisfied Users

CERTIFICATION



10 products tested by a WHO-PQS accredited laboratory



ISO 14001: IAF



WHO GMP



BIFMA Certified, BIFMA Level 3



ASTM- Corrosion Free Products



ISO 2409

EN 13523-26,
ISO 13849-1,
IP 69, IP 65

& MANY OTHER...

OUR ESTEEMED CUSTOMERS



& MANY MORE...



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