REMOTE TEMPERATURE MONITORING DEVICE

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: ±0.5°C WITH A RESOLUTION OF ±0.1°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.

djustable 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

Supply Phase Indication

Manual/Power phase indication

Change over Switch

Comp. 1,2 - On/Off

Evapwator 1,2 - On/Off

LSV 1,2 - On/Off

HMI

Change over Switch Manual/Auto

Auto Indigater

Manual Indigater

Condenser 1,2 - On/Off

Defrust 1,2 - On/Off
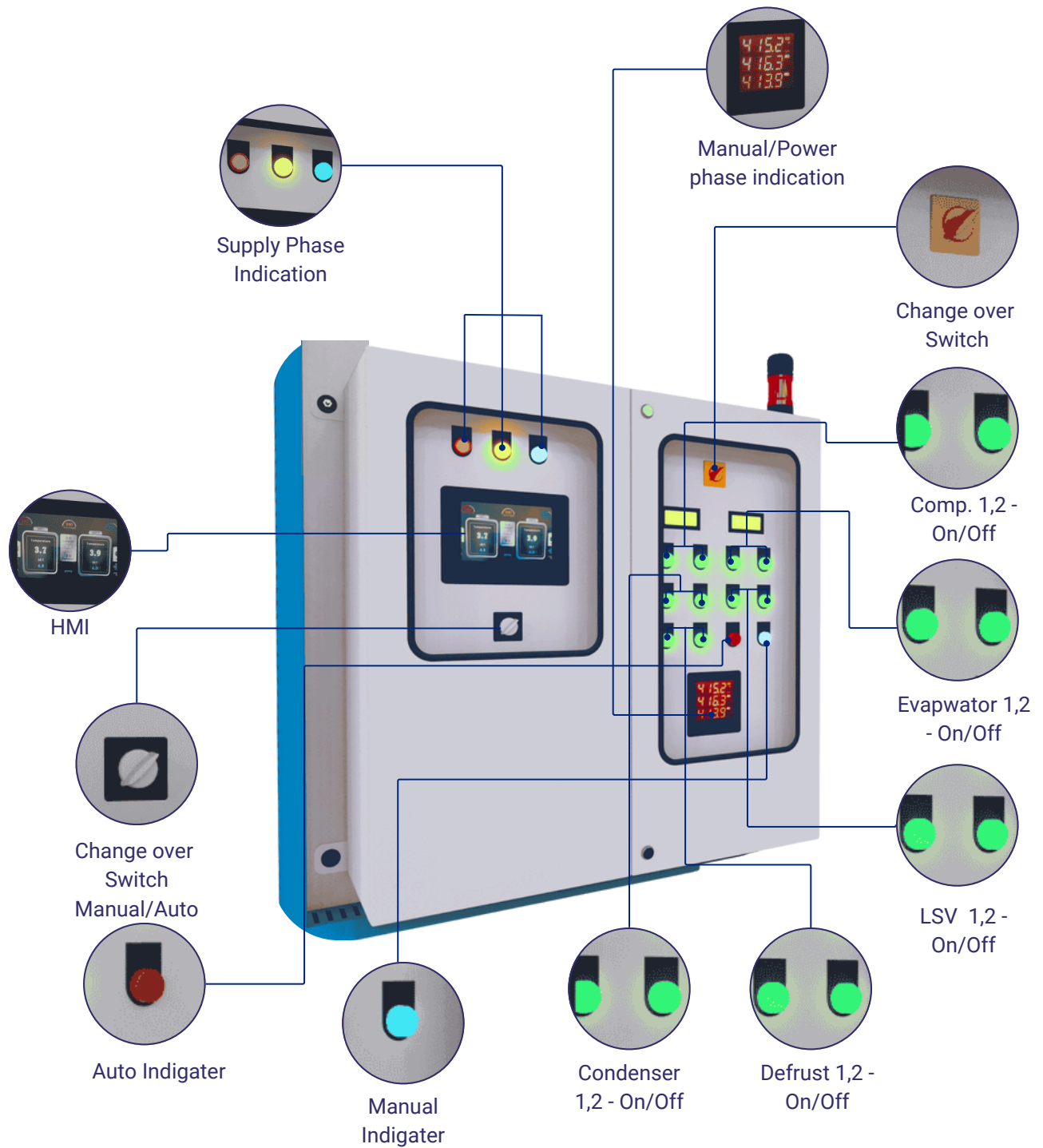
CAPACITY
Type : 16 Channel
Type : 8 Channel
As per customer requirement

CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards

50 Products CDSCO Certified

USFDA Listed

8 products tested by a WHO-accredited laboratory

European CE

NABCB: ISO 13485

ISO 9001: IAF

ISO 14001: IAF

ISO 45001: IAF

7 Electric Safety Certifications

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...

![MarkEn - The Mark of Excellence]

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

350+
Product Range

500+
Service center

1000+
Committed Engineers

1,00,000+
Satisfied Users

OUR ESTEEMED CUSTOMERS

& MANY MORE...

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