

KRMS

Kirloskar Remote Management System

A new integrated KRMS for single and two stage compressors.



7" Touch Screen HMI Display

RS485 Ports for RMS & SCADA

VFD Integration



Panel Protection Class IP 54

Compressor Capacity Control

Real Time SMS & Email Alerts



KRMS Specifications

- **Connectivity :**
#02 Modbus RS 485 ports suitable for majority of industrial control systems
- **Smartphone / Laptop :**
URL bookmark link to login KRMS portal
- **Diagnostics :**
Real-time operating data & log history of last six months
- **Refrigerants :**
Pre-loaded with the required data of Ammonia, R22, R404a, R507c, R134a refrigerants
- **Enclosure size**
H:460 x W:380 x D:130 mm
- **Power supply :**
230 VAC, 50 Hz
- **Supply in panel :**
through SMPS which is inbuilt for 24 VDC supply to controller & RMS device



Dairy

Ice-Plant

Fruits & Vegetables

Cold Storage

Beverages

Fisheries-Meat

New integrated KRMS is completely factory wired & tested which comes with 24 VDC controlled voltage & IP54 protection class.

KRMS consist of

Compressor Controller

- 7" Touch Screen (HMI) With Full Colour Graphical Display
- RS 485 Modbus Communication Ports for RMS & SCADA
- USB Port To Upload Latest Program & Download Log Data
- Suction & Discharge Temp Sensors
- Suction, Discharge & Oil Pressure Sensors
- Intermediate Pressure Sensor For Two Stage
- Real Time Operational and Maintenance SMS & Email Alerts

Remote Monitoring system

- RMS device with pre-activated GSM SIM card
- Antenna
- Operating parameters log data of last six months can be downloaded in excel from KRMS web portal

Control Functions

- Auto Start / Stop
- Remote Start / Stop (Optional)
- Compressor Capacity Through CCSV
- Speed Modulation through VFD.
- Master & Slave Operations

Protection Functions

- High Discharge Pressure / Temperature
- High Intermediate Pressure
- Low Suction Pressure
- Liquid entry trip
(When 'Suction - Evaporating' temp < 1 deg C)
- Low Oil Differential pressure

Diagnostics

- Monitoring of operating parameters
- Alarm history with date & time
- Log data history
- SMS & Emails alert with required actions
- Probe / Wire failure detection for all analogue input signals
- Real time operating parameters are available for trouble shooting

Maintenance Monitor

Real time operational & maintenance alert messages via SMS & Emails for scheduled Maintenance/Monitoring of operating parameters for predictive & preventive maintenance.

Advantages

- KRMS is fully integrated control system for use with virtually all types of refrigeration applications
- Monitoring, control and diagnostics capabilities combined in one compact, integrated unit
- Easy to integrate into the vast majority of industrial control systems, providing seamless transfer of data between systems

Benefits

- Ensures more effective monitoring, control and diagnostics of a wide range of key refrigeration installations
- Ensures effective management of important operating data and secures the production process for best performance
- Keeps power consumption to a minimum and reduces operating costs

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