

REFRIGERATOR MONITORING DEVICE

RT-ASRMD-XG-00



COVERING SHEET

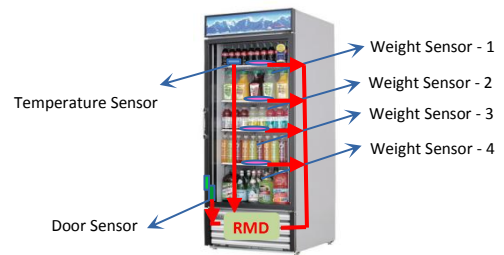
REVISION HISTORY

REV	DATE	NO. OF PAGES	PREPARED BY	REVIEWED BY	APPROVED BY
0	21-02-18	3	JC	RA	AX

REFRIGERATOR MONITORING DEVICE

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PRODUCT OVERVIEW:



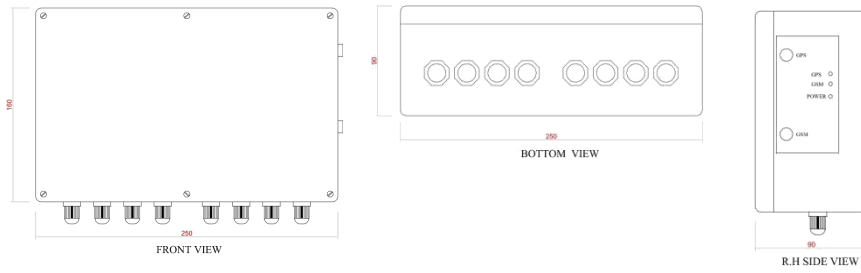
The Refrigerator Monitoring System is used to monitor the different status of the refrigerator such as temperature, Door open/close, location of the Refrigerator and the Weight of individual trays. These status information are passed to a remote server using GPRS data packets from the system, and the same is alerted and displayed in a web page for the user view and also as a Alert. The user can take the statistics of the data and use it for any analysis, and records.

FEATURES:

- ✓ Compact housing.
- ✓ GPS/GPRS used to provide precise time and date.
- ✓ Flash used to store the unsent alert packets.
- ✓ GPRS connectivity to transfer the data to the server.
- ✓ Temperature Sensed from -65 deg to +99 Deg with 1 deg accuracy
- ✓ Door sensor to know the open/close status of the Refrigerator door.
- ✓ Dual Weight sensor for each Tray to sense the weight upto 40Kg per tray.
- ✓ Alerts when temperature changes to 2 deg difference.
- ✓ Alerts when GPS location moves for more than 20 meters.
- ✓ Alerts when the tray weight deviates for 100 grams.
- ✓ Alerts when the door open/close.
- ✓ Every 2 minutes once the RMD send a packet with current location to the server.
- ✓ Power ON LED indication.
- ✓ GPS LED indication for valid GPS data.
- ✓ GSM LED indication for GPRS Connectivity.
- ✓ Power backup for 2 hours when main power failure.
- ✓ Power Adapter with 100 - 230VAC input, 12VDC output.

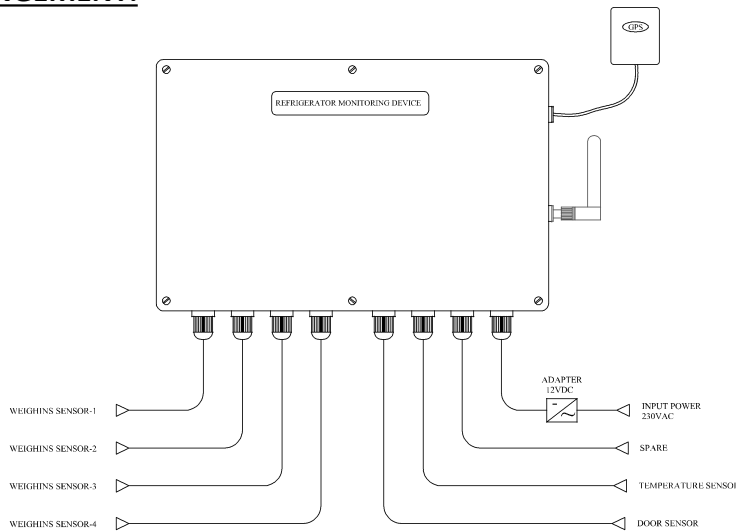


DIMENSIONS:



ALL DIMENSIONS ARE IN 'mm'
Not in Scale

GENERAL ARRANGEMENT:



CALIBRATION:

This product is to be calibrated mechanically, after firm installation of the weight sensors as per the Installation documents. Keeping empty trays calibration button helps to calibrate in the system.

APPLICATIONS:

- ✓ Supermarkets.

CERTIFICATIONS:

- ✓ CE Certified
- ✓ RoHS compliant

WARRANTY:

1 year warranty