



NORDATEC
SMART ENERGY

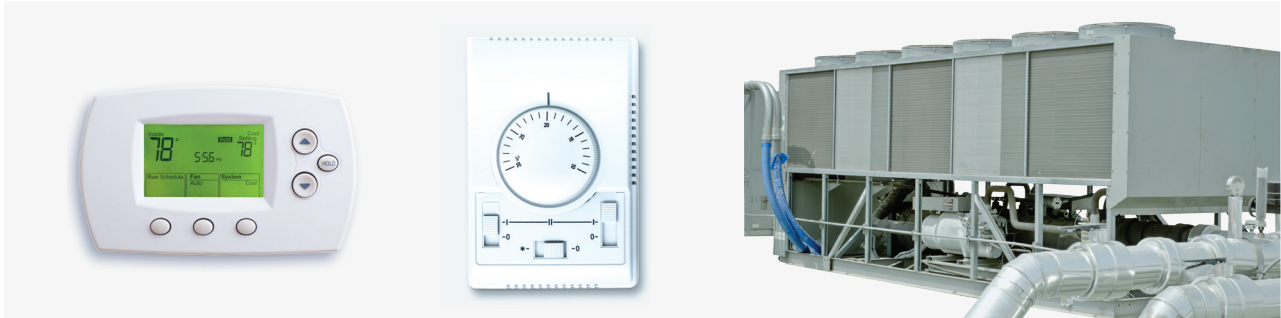
DUBAI UAE

LM-2100 Coil Manager for FCU

Connected module for Fan Coil Unit

LM-2100 integrates simply into existing Fan Coil Unit, either 2-wire or 3-wire actuator with minor installation procedure.

LM-2100 exposes the main controls of the FCU to a central management agent including BMS-3000 and APM-3200.



LM-2100 INCLUDE THE FOLLOWING BENEFITS

Transparent

LM-2100 RESPECTS THE EXIST CONTROLS OF THE FCU :

- mechanical thermostat (such as T6373).
- electronic thermostat (such as T6861).

The end user experience is transparent and no change management is required.

Efficient

Central Management of settings (including set-point) reduces the chilled water consumption.

Tamper Proof

Coil Manager is not visible to the end user.

Tampering with coil manager to reach temperatures below set-point generates an alarm to supervisor.

Consumption KPI

LM-2100 GENERATES USAGE AND PERFORMANCE KPI.

APM-3200 produces statistic which help remotely identify trouble such as major consumers or inefficient units.

Predictive maintenance

LM 2100 GENERATES KPI TO A PERFORMANCE MANAGEMENT APM 3200 WHICH HELPS IDENTIFY :

- over-consumption.
- fault, poor settings or fan issues.

Preventive Maintenance

BASED ON USAGE, APM-3200 CAN RECOMMEND PREVENTIVE ACTIONS SUCH AS :

- filter or coil cleaning.
- anti-fungus disinfection.
- drain checks, fan checks.

Cost effective

Existing equipment is re-used.

Compatibility

Fan Coil Unit with 2-wire or 3-wire actuator running on 220 V.
Compatible thermostat (vast majority of installed base) running on 220V
Coil Manager is not visible to the end user.

In case of error or loss of Wifi-connection, the local setting override the Coil Manager, ensuring that cooling process maintain ambient conditions.