

The background of the top half of the advertisement is a long-exposure photograph of a city street at night. The street is filled with light trails from cars, with white trails for headlights and red trails for taillights. The street is lined with trees and modern buildings in the background, some of which are brightly lit. The overall scene is vibrant and dynamic.

SMART CONTROL. BRIGHTER STREETS.

SMART FEEDER

Centralised Control & Monitoring System (CCMS)

Transrail smart lighting automation solution intelligently controls lamps with automated commands. The Smart CCMS device manages lighting activities, saving up to 50% energy. It boosts maintenance productivity with auto alerts and notifications, accessible via mobile and desktop, saving manpower resources.



SMART FEEDER

Centralised Control & Monitoring System (CCMS)

Technical Specifications

Brief Info

- **Main Chipset:** MDM 9207-1
- **Memory:** 2Gb + 1Gb
- **Sensor:** LSM6DS0(3D Accelerometer and 3D Gyroscope)
- **UE Category:** Cat-1
- **Frequency:** FDD B3/B5/B40
- **Data Rate:** D/L 10Mbps, U/L 5Mbps
- **GPS/AGPS**

Mechanical

- **Dimension:** 111.8 X 60 X 21.94
- **Battery:** LiFePO4 470 mAh
- **Antenna:** Internal Antenna (LTE / GPS)

Environmental

- **Operating Temperature:**
Charging -0 to +60°C /
Discharging -20 to +70°C
- IP65

Wires definition (13 wires)

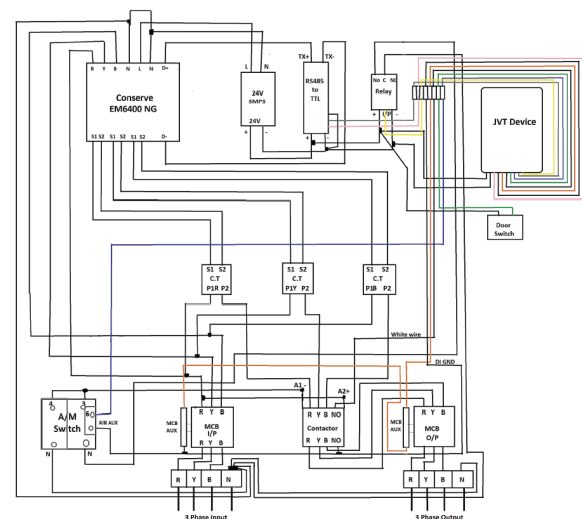
- 3 wires for ACC/Battery/Chassis Ground
- 4 wires for 4 digital I/O
- 2 Analog I/O
- 2 wires for RS232 RX/TX
- 1 Digital Ground
- 1 Analog Ground

Standard Components in CCMS

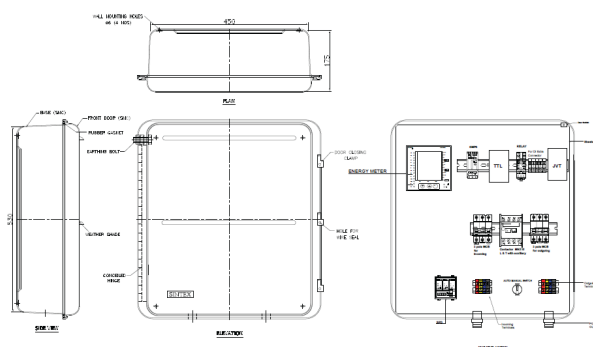
Common Electrical Switchgears

- Energy meter (Single phase or three phase) with or w/o CT
- Contactor / SSR for on/ off as per power rating
- MCB/ ELCB for protection
- Door open sensor
- Auto/ Manual
- Power supply (SMPS)
- kVA rating – 1kVA to 30kVA

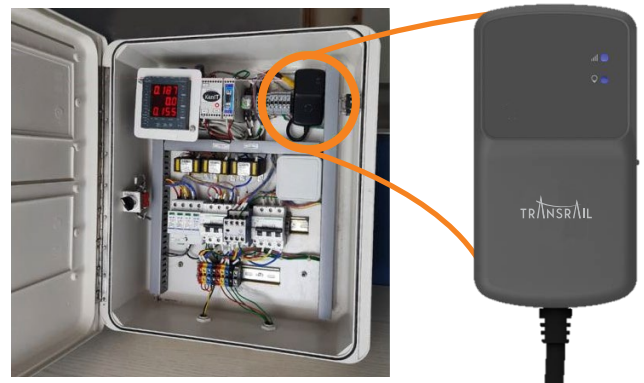
Sample wiring diagram



Reference Panel Drawing



Sample deployment



Transrail Lighting Ltd is one of the leading Indian engineering, procurement and construction companies with over four decades of experience in providing comprehensive solutions on a turnkey basis globally. Our business is divided into four verticals, namely (i) power transmission and distribution (including substations), (ii) civil construction, (iii) poles and lighting, and (iv) railways. With footprints in 58 Countries, we have large-scale manufacturing facilities in India for Galvanized Lattice Towers, Conductors and Galvanized Polygonal Poles in addition to a well-accredited R&D tower testing facility.

TRANSRAIL LIGHTING LIMITED

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