

Welcome

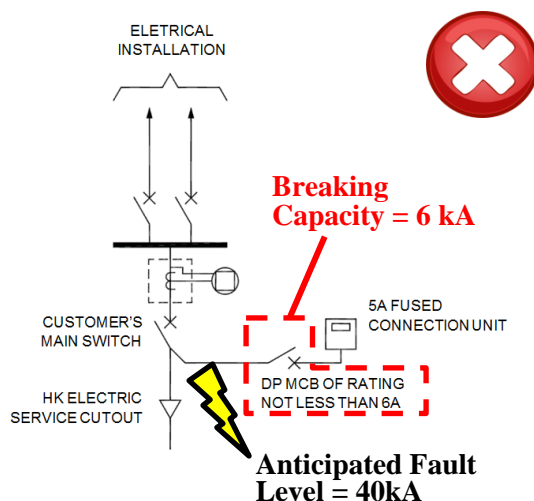
to our “e-REW Express”. During our installation inspections, we have found that some requirements for Tariff Meter Communication (TMC) infrastructure in new buildings/ existing buildings with major renovation are sometimes overlooked. In this issue, we will highlight some of those common departures so that you can avoid them next time when you prepare your installation for connection of supply.

We hope you will find the information of this e-REW Express useful. If you have any suggestion, please send an email to us at mail@hkelectric.com or contact our Customer Installation Section on 2887 3455 so that we can further improve our service.

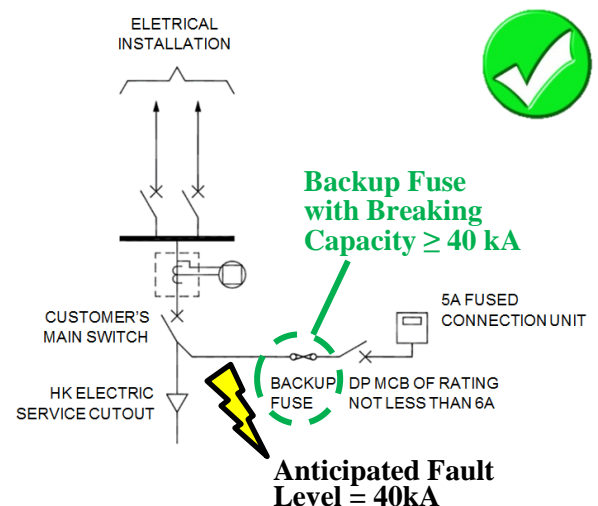
Common Departures on Tariff Meter Communication (TMC) Infrastructure

1. Main Switch

i. Breaking Capacity



Short-circuit breaking capacity of main switch for TMC equipment at the point of installation is inadequate.



Main switch for TMC equipment shall have adequate short-circuit breaking capacity at the point of installation.

ii. Number of Poles

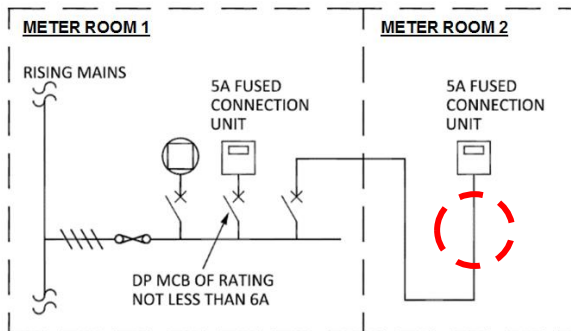


A single pole switch cannot be used as main switch for TMC equipment.

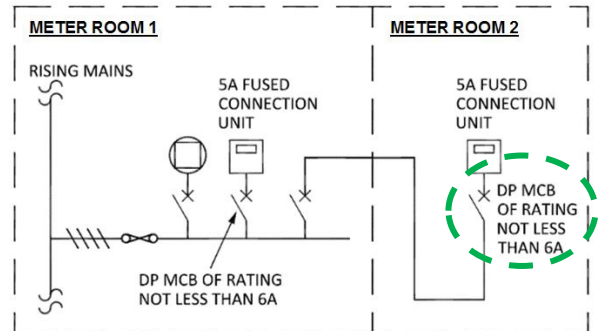


A main switch for TMC equipment shall be of double-pole type interrupting live and neutral.

iii. Location of Main Switch

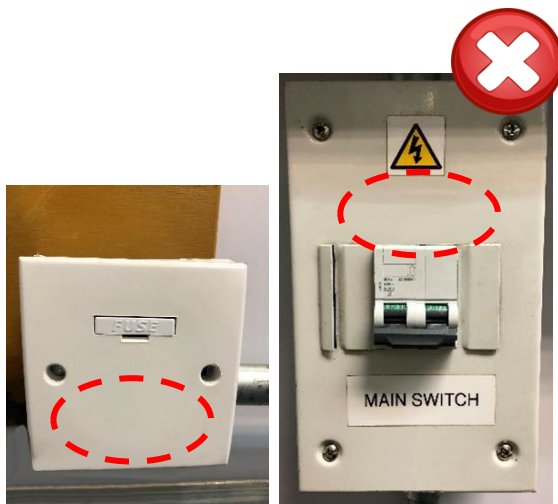


Main switch for TMC equipment is not installed within the same meter room.

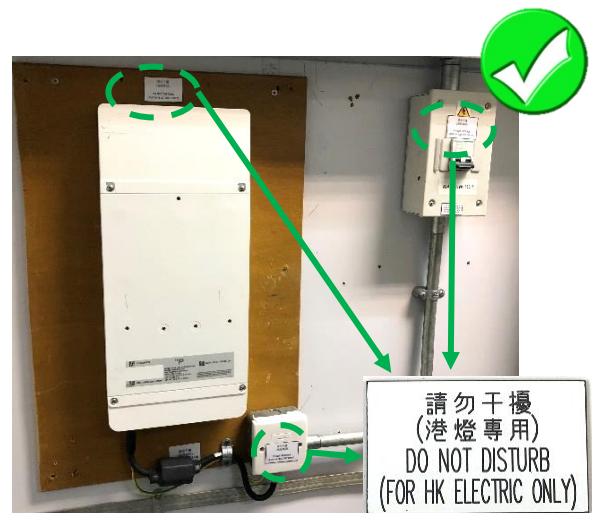


Main switch for TMC equipment should be installed within the same meter room.

2. Plastic Engraved Labels

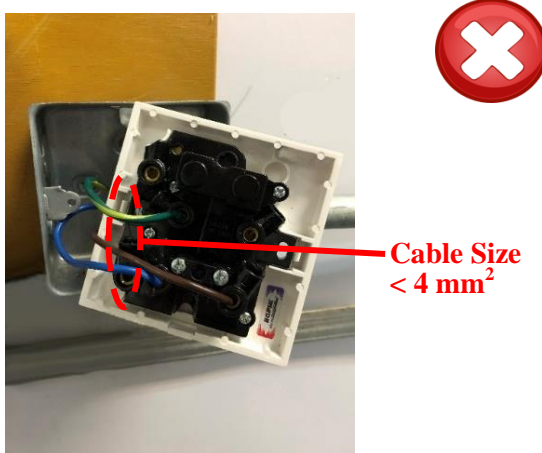


Plastic engraved labels with the words “DO NOT DISTURB (FOR HK ELECTRIC ONLY) 請勿干擾 (港燈專用)” are not provided on wooden board, fused connection unit and main switch of TMC equipment.

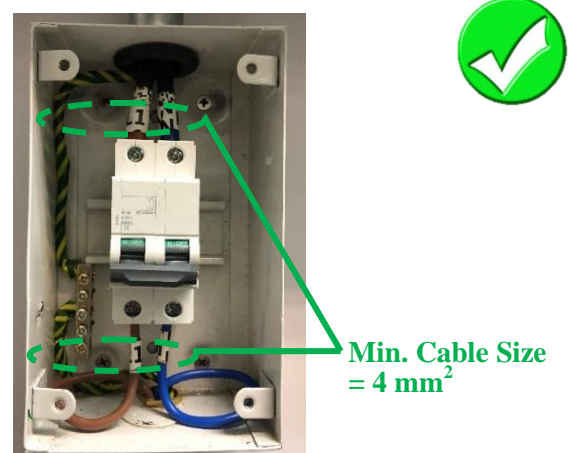


The plastic engraved labels should be provided on wooden board, fused connection unit and main switch of TMC equipment.

3. Cable Size



The wires amongst the main switch for TMC equipment, fused connection unit and the unmetered lateral/ rising mains less than 4mm² Cu PVC/PVC cable are not allowed.

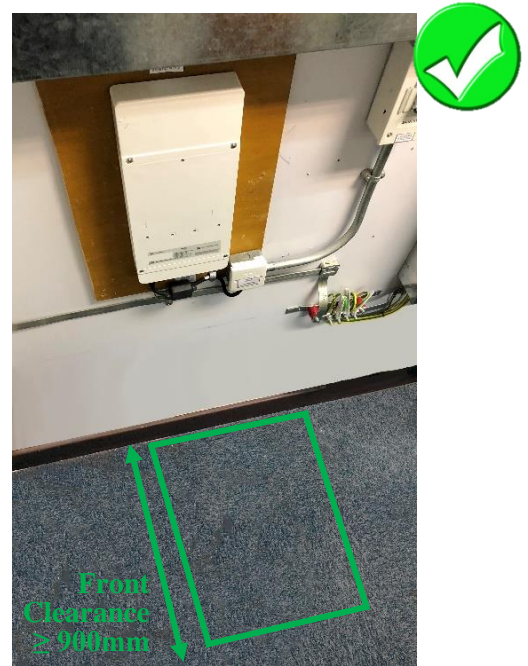


The wires shall be of at least 4mm² Cu PVC/PVC cable.

4. Front Clearance for TMC Equipment

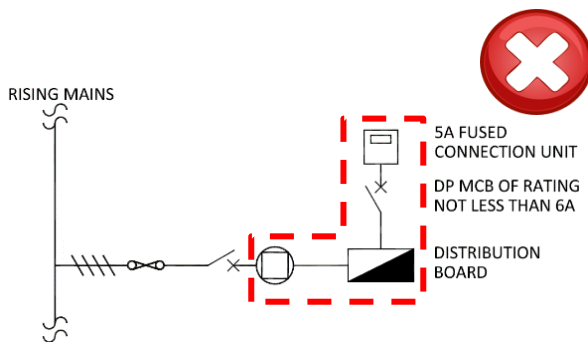


Front clearance of the wooden board less than 900mm is not allowed.

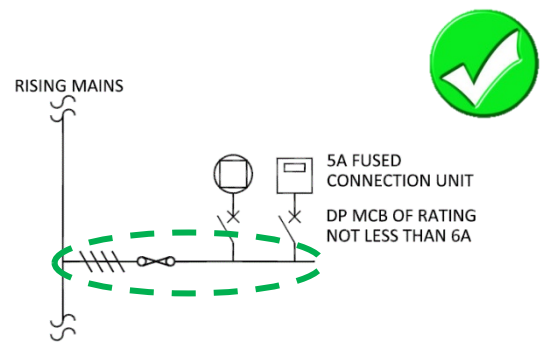


Minimum space of 900mm must be maintained in front of the wooden board for free access and as working space.

5. Source of Supply



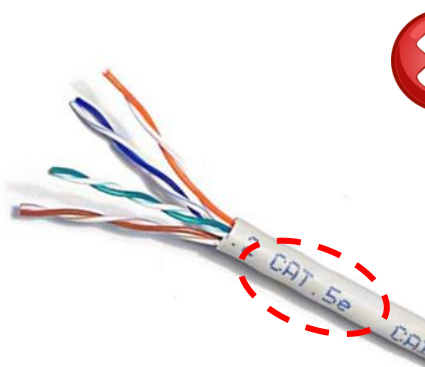
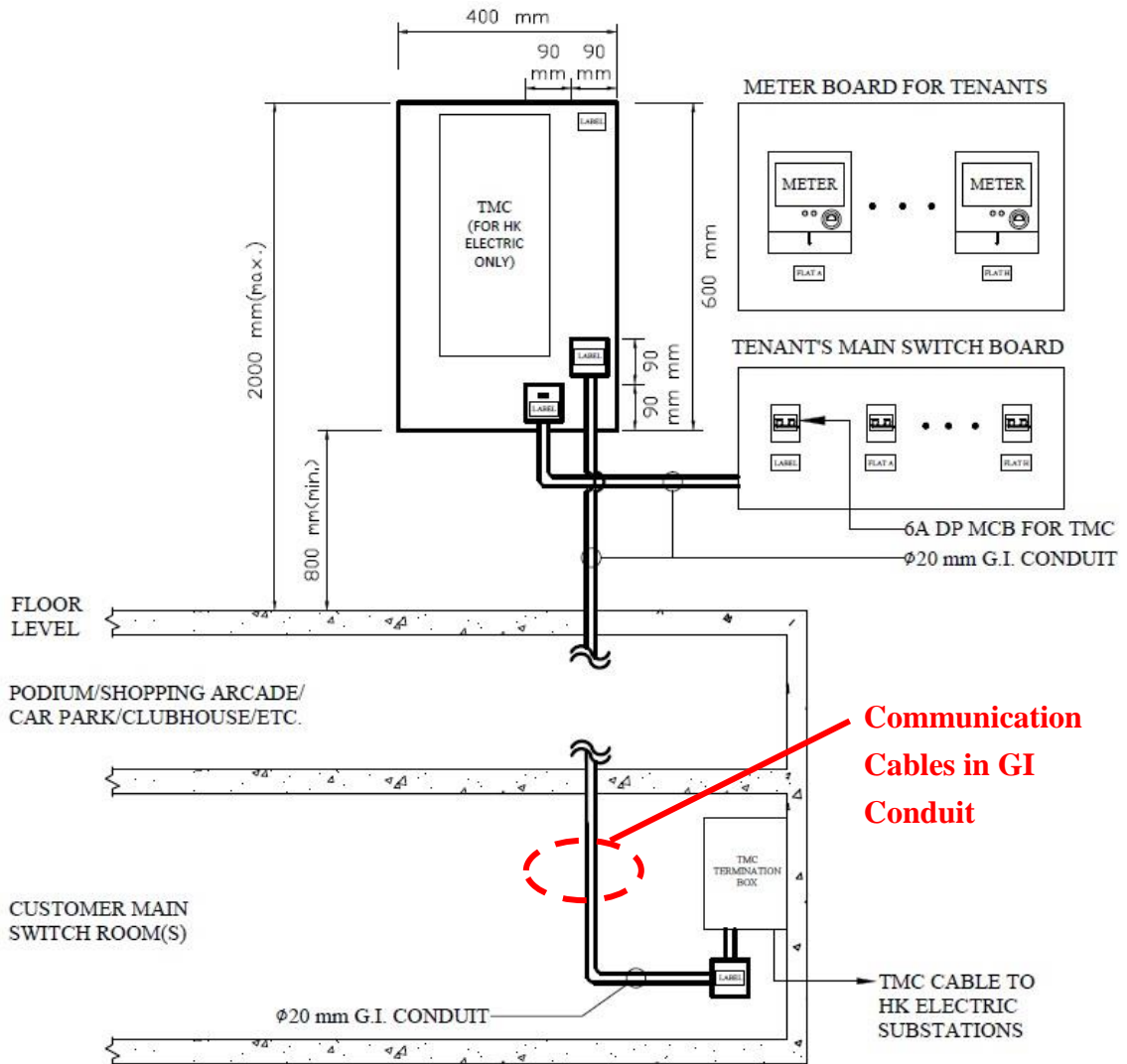
Source of supply for TMC equipment shall not be metered.



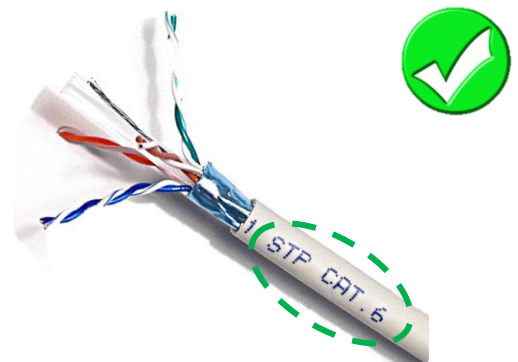
Source of supply for TMC equipment shall be from an unmetered lateral / rising mains.

6. Additional Facilities for Buildings with HK Electric Distribution Substations

i. Type of Communication Cables



Incorrect type of communication cable from the TMC termination box at the customer main switch room up through to the junction box on the wooden board for TMC equipment is not allowed.



Cat. 6 STP (Shielded Twisted Pair) communication cables shall be used.

ii. Facilities in the Customer Main Switch Room

GI conduit from the TMC termination box, junction box and Cat. 6 STP communication cables are not installed for TMC equipment.



GI conduit from the TMC termination box, junction box and Cat. 6 STP communication cables shall be installed on the wooden board for TMC equipment in the customer main switch room.

We are pleased to provide our advisory service to Registered Electrical Contractor/Registered Electrical Worker (REC/REW) regarding the requirements of TMC infrastructure. They are advised to provide us with the schematic wiring diagram for our consideration.