

IMPORTANT INFORMATION FOR THE ELECTRICIAN & BUILDER

<p>Requirements:</p> <p>MDL Remote Communication</p> <p>1. Builder is to install a conduit shielded data cable (Cat 5 or Cat 6) for MDL remote communications. This cable runs from the building MDF/NBN NDT and terminates at an MDL. (This applies for each independent building site not sharing a hot water system). For shared hot water systems (between buildings), MDL's are to be networked. This provision is required even if cellular communication is used.</p> <p>2. The developer\builder must ensure the proposed MDL location has adequate cellular coverage to allow uninterrupted communications. Where the proposed MDL location has limited cellular coverage, the developer\builder\electrician is responsible for running a suitable Jemena supplied cellular antenna extension cable to an area of good reception which will allow the installation of a 5Db magnetic base antenna 824-960 MHZ.</p> <p>Meter Data Cables</p> <p>3. All MDL meter data cable type must be twisted data communication. Stranding No. /mm= (7/0.20), Nom. O/D 5.7mm, Nom-area 0.22mm and a sheath thickness of 0.8mm. As per Electra Part No. EAS7202P two pair twisted data cable and no more than three pair twisted data cable Electra Part No. EAS7203P with a drain wire and overall shielding. Preferred colour code for core pairs blue/white, orange/white, green\white Any other Cable type <u>WILL NOT</u> be accepted. Refer to Jemena\Jemena approved Service Provider or Jemena written specifications for MDL installation</p> <p>4. Cables are to be installed in accordance with Standards Australia International. i.e. Secured on cable tray</p> <p>5. Data cables for every Jemena meter are to be installed in approved manner from each Jemena meter to the bottom of the MDL with approximately two meters overlap, & min 150mm clearance below MDL to enable cable termination. Data communication cable at the meter end must have adequate protection from weathering. (100 meters is the accepted maximum length between each termination point).</p> <p>6. Both cable ends must be identified with the FINAL POSTAL unit number and meter type, (i.e. U14 G or U16 HW etc.), and tagged with a manufactured cable marker (e.g. Cable Flag). Where Data cable is exposed to weathering or external conditions, cable conduit must be provided to ensure cable protection as specified by Jemena approved Service Provider.</p>	<p>7. Each meter including master water, master gas, BBQ, pool, garbage room etc. must be connected to the MDL with its own two pair cable.</p> <p>Power Points</p> <p>8. Each MDL must have a DOUBLE lockable power point adjacent to the MDL, of a type similar to the Clipsal 255 series.</p> <p>9. Builder to provide adequate marking of GPOs to identify which distribution board/breaker the GPO is fed from. Builder to provide dedicated circuit with adequate marking of GPOs to identify which distribution board/breaker the GPO is fed from.</p> <p>MDL Data Logger Requirements:</p> <p>10. Jemena or its approved Service Providers will not supply additional MDLs after the site is designed and scoped. (The total number of meters onsite divided by 32 equals the number of data loggers supplied)</p> <p>11. MDL locations to be such that cable length to meters is minimal. (100 meters is the accepted maximum length).</p> <p>12. All Meter Data Loggers within network to be connected together (daisy chain) with a link cable. This cable will be identical to the type used for meters. (EAS7202P) (100 meters is the accepted maximum data cable length). Where a daisy chain link is required between 2 buildings, two data cable runs must be provided to ensure cable redundancy.</p> <p>13. MDL dimensions 410mm h x 320mm w x 170mm deep and has a right opening door.</p> <p>14. Maximum height for MDL's is 1.6m to the top of the MDL above finished floor level.</p> <p>Access</p> <p>15. MDLs to be installed by Jemena and Jemena approved Service Provider at locations agreed to by builder. These areas ideally, are not to be accessible to unauthorized personnel. (i.e. switch room). However 24/7 access to the MDL is to be ensured for Jemena authorised personnel</p> <p>16. Locks on doors etc. providing access to the MDL's and Gas & Water meters, should be via an EM Locking System such as ABLOY PROTEC, where in all areas specifying Jemena Gas Networks as requiring access Ph. 1300 664 582 or 1300 667 288. Any other required building access keys must be provided and supplied in an ABLOY PROTEC secured key box such as NMB1112201 or similar in a location as specified by Jemena or Jemena approved Service Provider.</p>
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Note:

If you require any on site MDL wiring advice, please do not hesitate to contact:

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