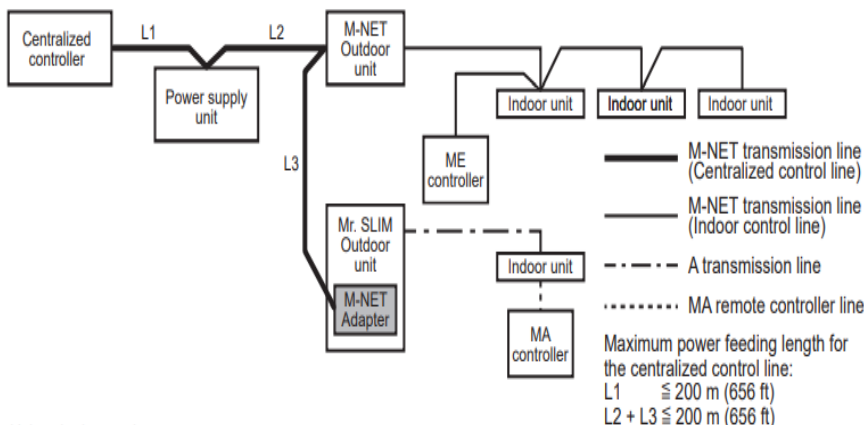


HOW it WORKS

Mitsubishi Electric's M-NET Adaptors

M-NET is a Mitsubishi Electric proprietary control protocol. Selection of proper M-NET Adaptors installed in M series indoor units and P series outdoor units allow M-NET control of heat pump and air conditioning systems. Selecting gateway adapters such LMAP04 for LONWORKS® or BAC-HD150 for BACnet® allows M-NET network to connect with building management systems (BMS). The units can then be controlled via Central Controller or ME controllers via M-NET and locally with MA controller or infrared wireless remote controller.

Interface adapters such as MAC-334 for M and S series, PAC-IF01MNT-E for MXZ models and PAC-SJ95MA-E / PAC-SJ96MA-E for P series allow M-NET connections to units. Always confirm adaptor compatibility with indoor and outdoor units prior to installation as some combinations may be incompatible.



M-Net Interfaces are connected to indoor unit control boards via 5-pin connector on CN105. Outdoor unit adaptors are powered by outdoor control board CNMNT and CNVMNT connectors. All adaptors have A and B terminals for connection to 2 wire M-Net network and shield connected to S ground terminal. Only the unit supplying M-Net 30VDC power has the S terminal grounded with ground accessory wire. The A and B terminals are not polarity sensitive. Installation requires 16AWG 2

wire shielded cable communication wire to eliminate the potential for noise inducing ground loops. All units on the M-Net bus have unique address. All adaptors have rotary switches for setting addresses.

