

Technical Bulletin

Number	027
Subject	Fused Terminal Blocks
Date	21 October 2008

Fused Terminal Blocks are recommended when providing power supply to Hitachi System Free Indoor units directly from the Utopia series of Outdoor units.



As there is only one terminal block on the Utopia condensing units the cable needs to be de-rated and fused to conform to current wiring regulations.

Method

Wire power supply cable (typically 6.0mm²) to terminal block on Utopia condensing unit as per current regulations. Utilise same cable to wire to one end of used terminal block.

Connect smaller interconnecting power wiring (typically 1.5mm²) from fused terminal block and then run this cable, via a 5 Amp local fused isolator to indoor unit terminal block.

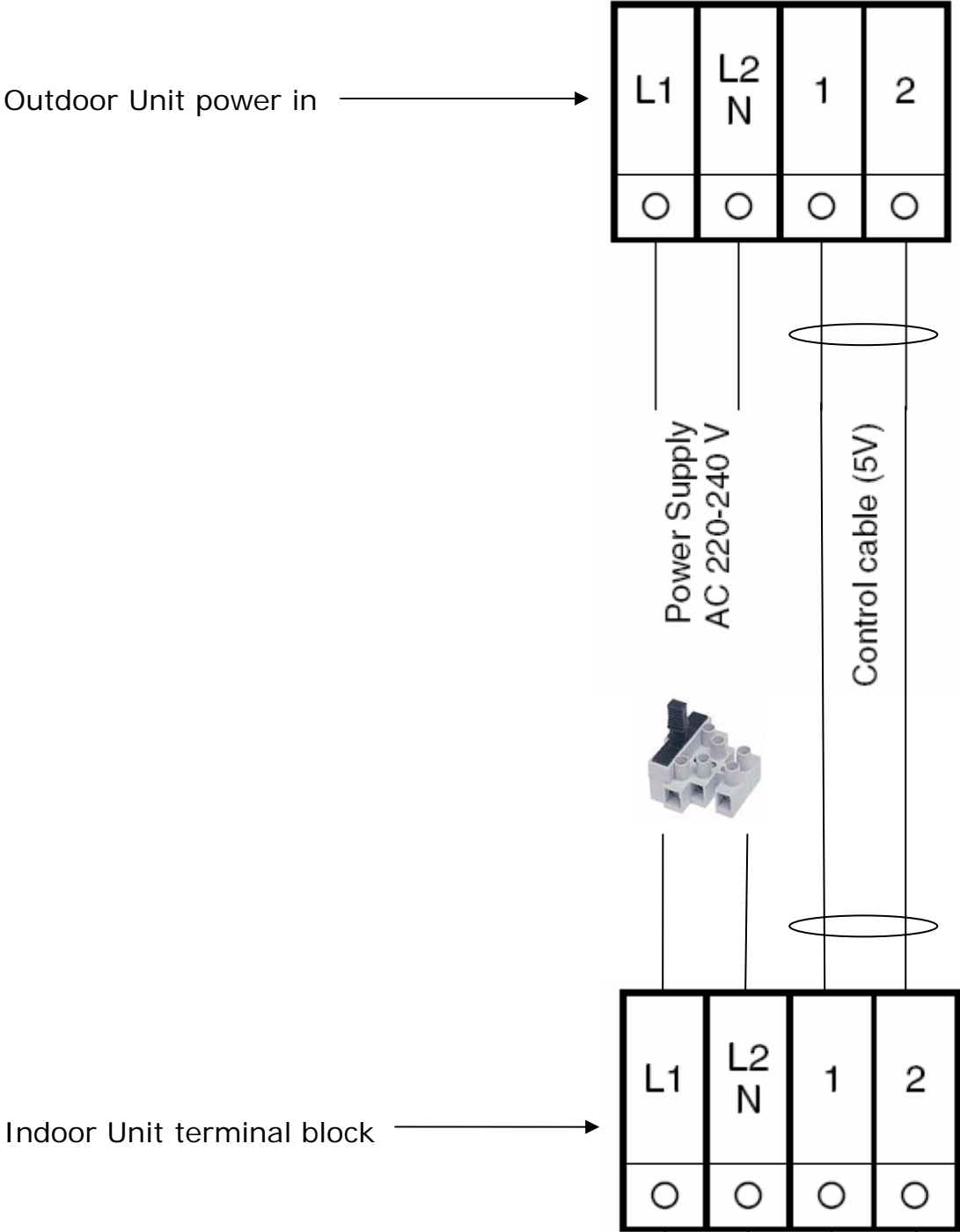
Alternatively, power supply can be fed to both indoor unit and outdoor unit from individual local supplies with the interconnecting cable being restricted to 2 Core 0.75mm² shielded.

Please note, when feeding power supply to indoor unit from the condensing unit that the 2 Core shielded comms cable **must always be run separately from the power cable** as failure to do so will cause induced AC voltage on the comms resulting in potential PCB failures and fault codes.

Technical Data

Mouldings:	Polyamide 6/6, grey, fuse holder black Tracking resistance PTI 600 Continuous working temperature 100°C Short-time temperature 160°C
Contacts:	Brass, tinned
Fused contacts:	Stainless spring steel
Screws:	M 3.5 x 7 mm, T_{max} . 0.8 Nm Steel, zinc plated, yellow chromed
Voltage Rating:	Fuse holders 250 V Terminal blocks 500 V
Current Rating:	to EN 60 127-6: Fuse holders 16 A to EN 60 598: Terminal blocks 25 A to EN 60 998: Terminal blocks 32 A
Conductor Size:	up to 10 mm ²
Stripping Length:	7.5 - 8 mm

Technical Bulletin



Note that Logicoool are not responsible for cable sizing and the “typical” sizes listed above are not a recommendation. Please ensure that all wiring is installed by a competent and qualified electrician and that this complies with current wiring regulations.