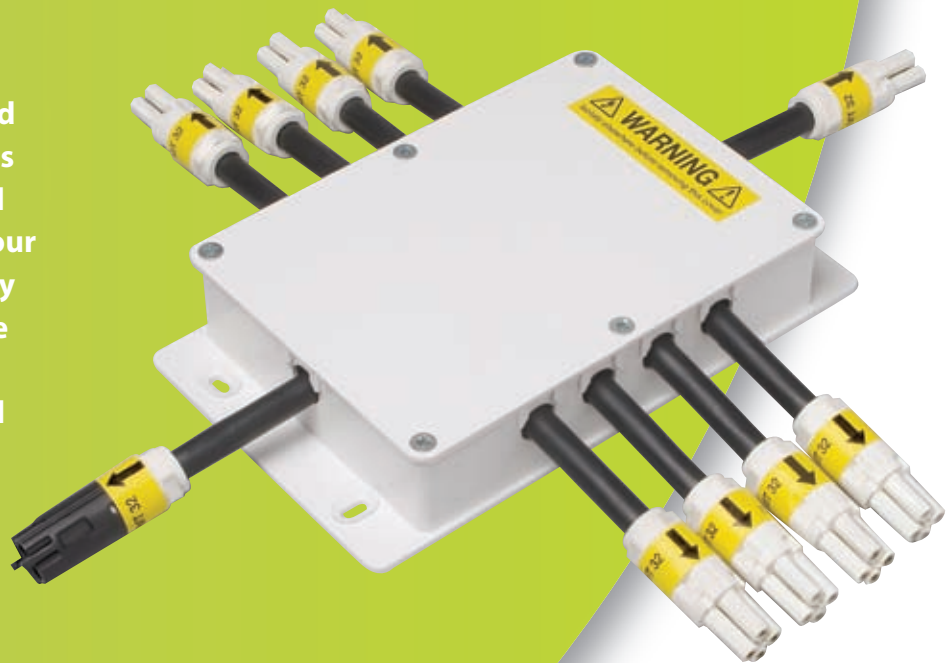


# MT32 Prefabricated and modular wiring systems

[www.marshall-tufflex.com](http://www.marshall-tufflex.com)

MT32 Prefabricated and modular wiring systems are designed to take all the hard work out of your electrical installation by providing the complete pre-wired, pre-tested, plug and play electrical wiring system for your project.



# MT32 Prefabricated and modular wiring systems

Marshall-Tufflex MT32 Prefabricated and modular wiring systems are complete, project specific, pre-wired, pre-tested wiring distribution systems and accessories, supplied to site for plug and play installation. These systems provide fast, safe, labour and cost saving installations and re-configuration and comply with British Standards 8488-1-2009 for prefabricated wiring systems intended for permanent connection in fixed installation.



## Environmental

- There are well established facilities available for recycling the individual components of MT32 Prefabricated wiring systems.



## Recycling and sustainability

- MT32 Prefabricated and modular wiring systems are completely re-usable. All major components can be disassembled and reconfigured for use elsewhere as required.



## EMC properties

- As a power distribution system, the requirement of shielding from electromagnetic interference is not applicable.



## Fire performance

- MT32 Prefabricated and modular wiring systems use LSOH cables and, where applicable, are encased in flexible steel conduit.
- Marshall-Tufflex recommends that dry lining boxes should be fitted with intumescent fire barrier pads to meet requirements of BS7671 2008 IEE Wiring Regulations and Document B of the UK Building Regulations.

MT32 Prefabricated and modular wiring solutions incorporate the unique Marshall-Tufflex compact 32Amp connector and provide customers with a complete inter-connection electrical installation package built to their own specification. Depending upon client and project requirements, a system may incorporate all or just a selection of the available range of pre-wired, interconnecting power distribution and accessory components.

### MT32 Home runs

#### Self-contained pre-wired distribution units

MT32 Home runs provide single run multi-pin connection from the main distribution board to localised distribution points. One single unit can replace standard high level trunking and multi cable runs.

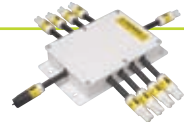


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### MT32 Lighting hubs

#### Self-contained, pre-wired, plug-in lighting supply and switching units

MT32 Lighting hubs are built to specification to provide various and multiple switching configurations. They can be installed as an independent method of supplying an area with lighting circuits or as part of the total power distribution system.



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### MT32 Dry lining systems

#### Pre-wired accessory modules with interconnecting leads

MT32 Dry lining systems provide fast and easy connection from the distribution board to the final power outlet installation in stud walls.



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### MT32 Surface mount systems

#### Pre-wired, fast-fix, accessory modules with interconnecting leads

MT32 Surface mount systems provide plug and play connection from the distribution board to the surface accessory. Surface mount systems are compatible with mini trunking.



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### MT32 Perimeter trunking systems

#### Pre-wired, interconnecting, modular wiring accessories and cables

MT32 Perimeter flex systems provide fast-fit wiring installation within dado and skirting perimeter trunking.



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22

### Underfloor systems

For MT32 pre-wired modular underfloor wiring systems, please refer to the Underfloor and Desk section on page 23 or call the Technical Team on 01424 856688.

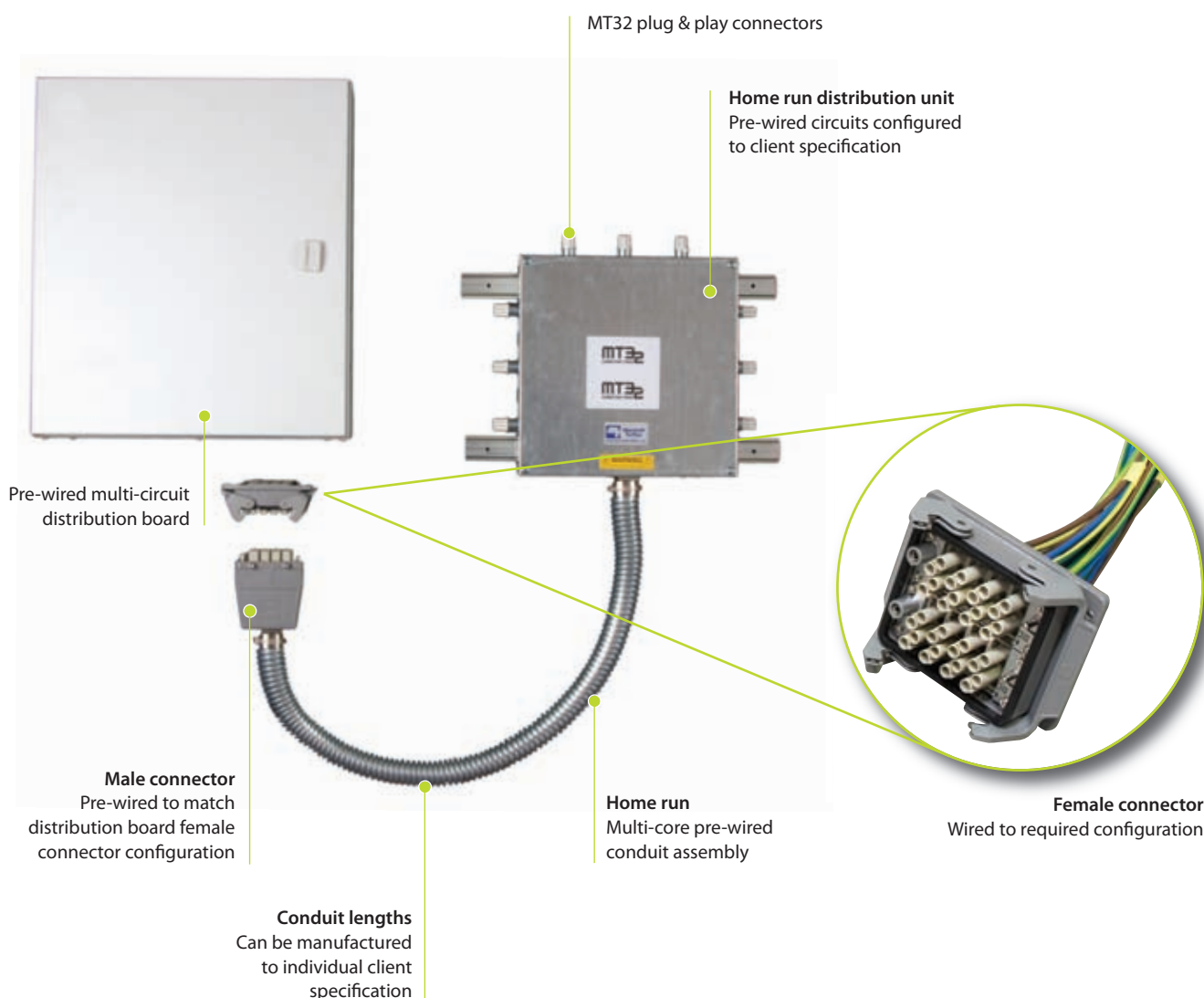


MT32 Home runs are self contained, pre-wired and tested 380/450v power distribution systems, assembled and wired to customer specification. They can be installed as an independent method of supplying an area with lighting and power circuits or as part of a total power distribution system.

#### Installation:

MT32 Home runs can be installed as an independent method of supplying an area with lighting and power circuits or as part of the total power distribution system.

- Connection to the distribution board is via multi-pin connectors
- Can contain up to 32 cable cores to feed power distribution and lighting systems
- Conductor sizes range from 1.5mm<sup>2</sup> to 10.0mm<sup>2</sup> depending on the solution required
- Different cable sizes can be incorporated within the same Home Run
- No need to cut and install cable trays and trunkings
- Zero harm – no cutting required on site
- Reduced health & safety risk
- Zero waste on site
- Helps reduce LTIs (Lost Time Injuries) on site
- Sustainable and re-usable

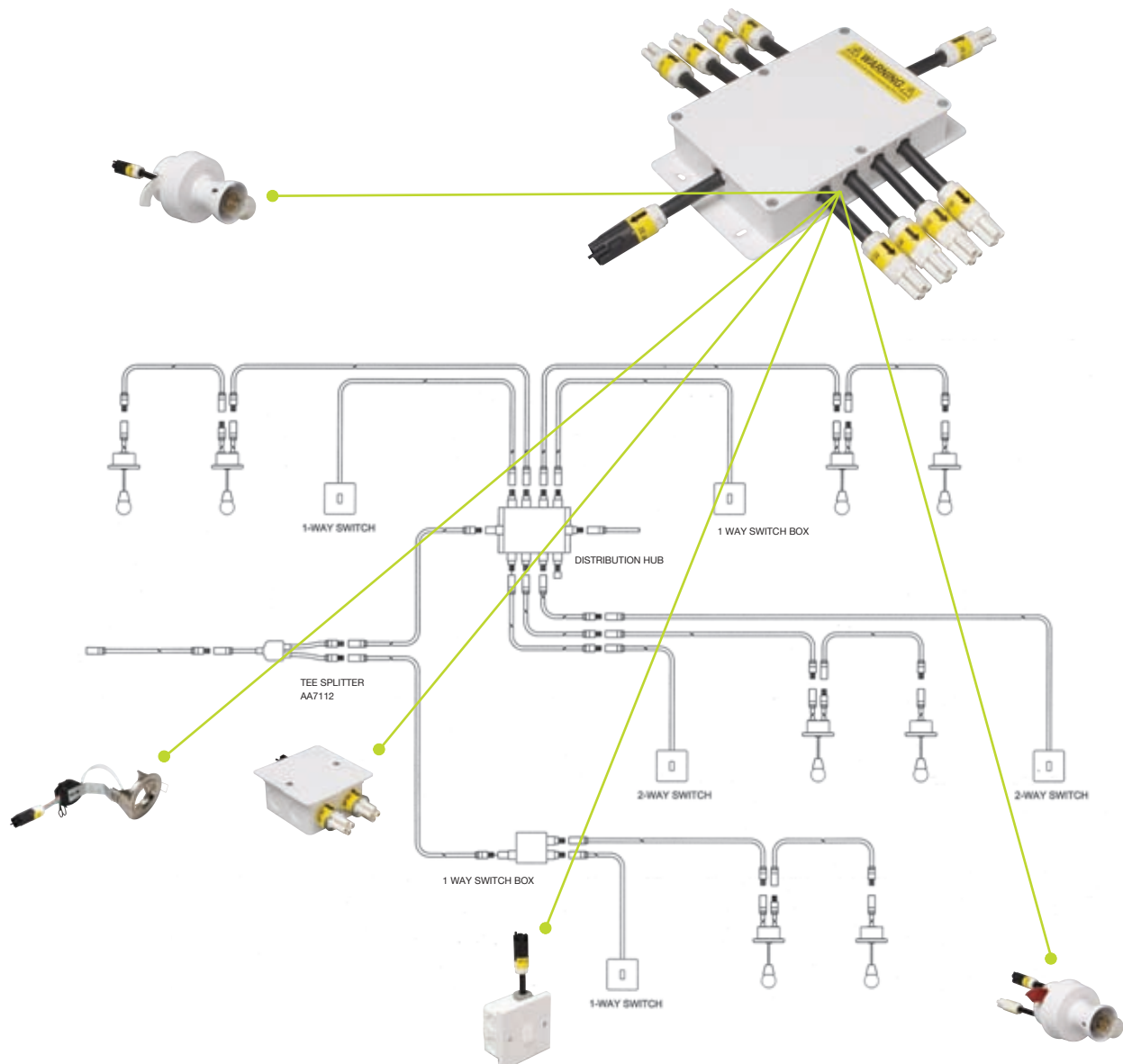
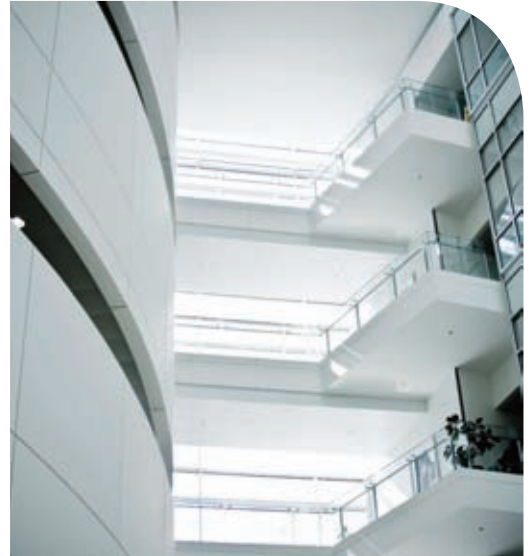


MT32 Lighting hubs are assembled pre-wired and tested, plug-in connector units to provide various switching configurations to client's requirements, such as 1-way, 2-way, intermediate and emergency key switching. MT32 Lighting hubs can also be wired to presence or motion detectors to provide energy efficiency savings.

#### Installation:

MT32 Lighting hubs can be installed as an independent means of supplying local lighting and switching arrangements. The hub can be connected directly to the distribution board as a stand alone circuit or it can be connected to a circuit supplied as part of a MT32 Home Run.

- Ready for on-site plug and play assembly
- Can be sub-divided into individual circuits
- Provides for switching, emergency lighting and connection to local light fittings
- Zero harm – no cutting required on site
- Reduced health & safety risk
- Zero waste on site
- Additional Hubs can be inter-connected to provide further circuits
- Helps reduce LTIs (Lost Time Injuries) on site
- Sustainable and re-usable





### Home runs

Home runs can provide an independent method of power supply or part of a total power distribution system.

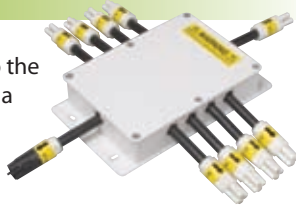
(For more information please refer to page 18 of this section)



### Lighting hubs

Lighting hubs can be directly connected to the distribution board as a stand alone circuit or may be connected to a home run.

(For more information please refer to page 19 of this section)



### MT32 Dry lining systems

Dry lining boxes can be installed independently or in conjunction with other systems with circuits supplied directly from the distribution board or from a local home run.

(For more information please refer to page 181 of Accessory boxes and enclosures)



### MT32 Surface mount systems

Surface mount systems can be installed independently or as part of a Flat Pack Kit and are used where the installation of dry lining boxes is not suitable.

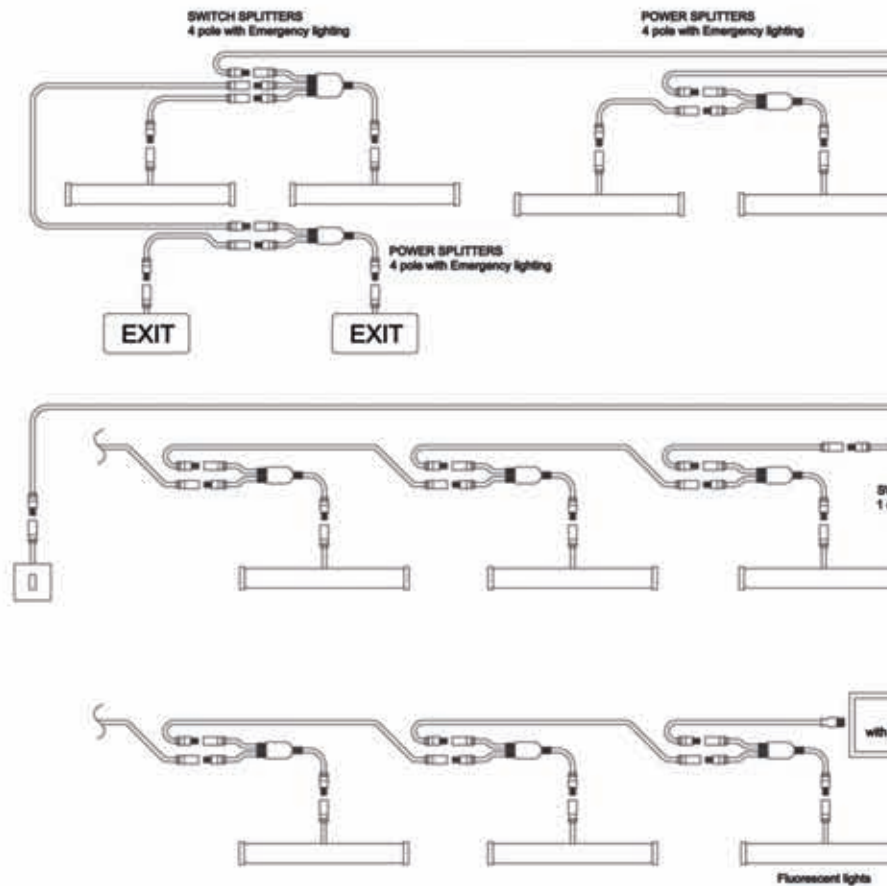
(For more information please refer to page 179 of Accessory boxes and enclosures)



### MT32 Perimeter trunking systems

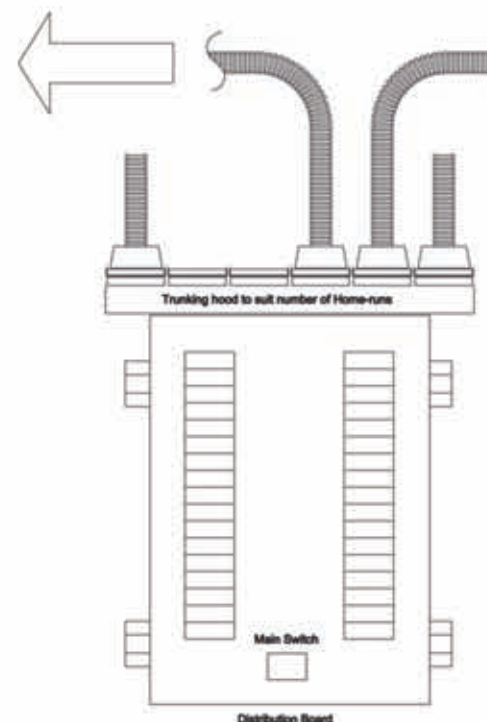
The perimeter system's cables and accessories arrive on site in pre-specified lengths complete with connectors and ready for installation.

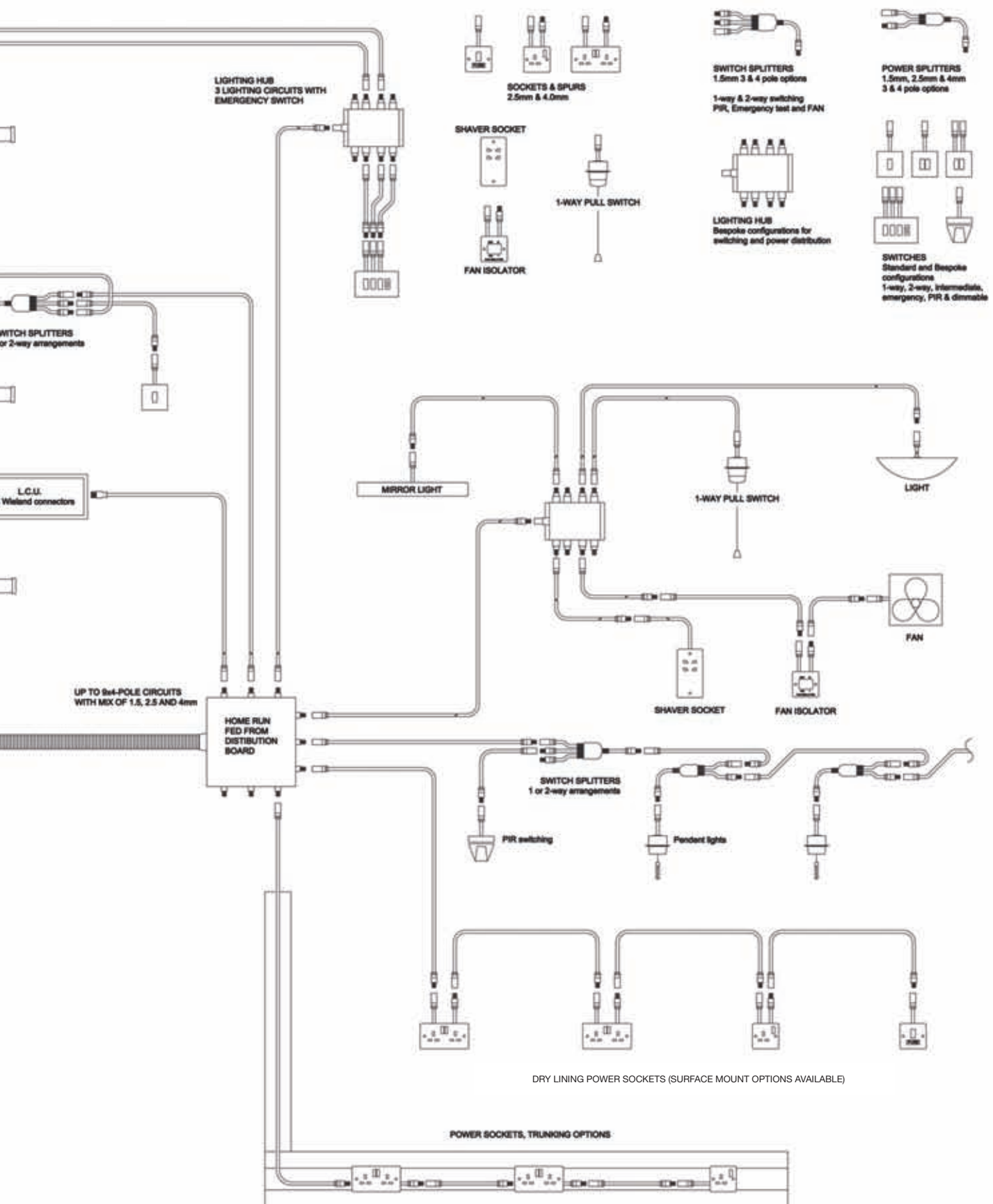
(For more information please refer to page 106 of PVC-U Perimeter trunking systems)



CAN FEED TO UNDER FLOOR SYSTEM

Please refer to Underfloor and desk section, page 23.





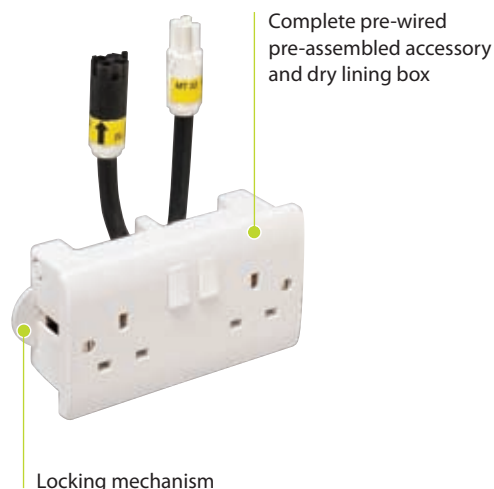
## MT32 Dry lining systems

### Installation:

Dry lining accessory assemblies can be installed in partition walls as part of a modular wiring system or they can form part of another installation system. The dry lining system can also be part of a pre-specified room kit.

- Fully tested and assembled with accessory face plate and MT32 connectors attached
- Through and terminal assemblies available
- Boxes feature a wide securing flange around the outer rim to assist in alignment and positioning
- Unique locking mechanism grips the dry wall board firmly and securely locates box and accessory plate in position
- 1 and 2 gang boxes available to fit apertures of 73 x 73mm and 135 x 73mm
- Fitted with LSOH 2.5mm<sup>2</sup> flextails
- For 4.0mm<sup>2</sup> cable please call the Technical Team on 01424 856688
- Fire barrier pads can be fitted to meet the requirements of UK Building Regulations
- Acoustic hoods can be fitted to meet the requirements of UK Building Regulations
- Zero harm – no cutting required on site
- Reduced health & safety risk
- Zero waste on site
- Helps reduce LTIs (Lost Time Injuries) on site
- Sustainable and re-usable
- Easy installation and fast connection

For more information please refer to page 181 of Accessory boxes and enclosures



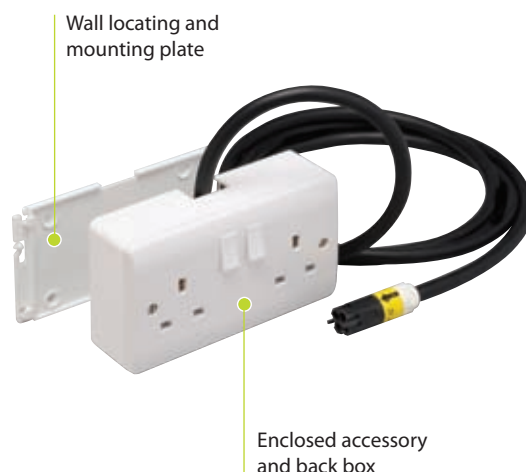
## MT32 Surface mount systems

### Installation:

Surface mount systems provide for connection of pre-wired accessories and can also be part of a pre-specified room kit.

- Fully tested and assembled with accessory plate and MT32 connectors attached
- 1 and 2 gang boxes with 2 metres of LSOH 2.5mm<sup>2</sup> flex fitted and MT32 connectors attached
- For 4.0mm<sup>2</sup> cable please call the Technical Team on 01424 856688
- Through and terminal assemblies available
- Fixing plate easily positioned and independent of electrical assembly
- Fire barrier pads can be fitted to meet the requirements of UK Building Regulations
- Zero harm – no cutting required on site
- Reduced health & safety risk
- Zero waste on site
- Can be used in conjunction with MT Mini Trunking
- Helps reduce LTIs (Lost Time Injuries) on site
- Sustainable and re-usable
- Easy installation and fast connection

For more information please refer to page 179 of Accessory boxes and enclosures



## MT32 Perimeter trunking systems

### Installation:

Pre-wired cables and accessories for installation within perimeter trunking, arrive on site ready for simple plug and play connection, resulting in cost-savings and project programme gains.

- For use with LSOH 2.5mm<sup>2</sup> flex system
- Available in a 4.0mm<sup>2</sup> LSOH singles system as an alternative specification that meets the requirement for high integrity earthing
- Circuit testing only required on completion of final layout
- Zero harm – no cutting required on site
- Reduced health & safety risk
- Zero waste on site
- Helps reduce LTIs (Lost Time Injuries) on site
- Sustainable and re-usable
- Easy installation and fast connection

For more information please refer to page 106 of PVC-U Perimeter trunking systems

