

EP3 Cable System



Introduction

E-Plex have introduced a new 'plug and play' bus connection system which is being designated as EP3.

All E-Plex modules will be available as an EP3 variant at the same cost as the modules that you have traditionally used. New modules will only be available as EP3.

The connection system simplifies installation and fault finding and has been well received by high and low volume users alike.

All E-Plex modules will feature a socket – either as an integral part of the product or via an interface cable that will be supplied free of charge with the module.

The modules are interconnected with Type 1 cables of differing lengths (see table). If you need to construct a cable of a particular length, standard cables can be joined together with a Type 2 cable (coupler).

Some E-Plex modules will feature two EP3 sockets that allow the bus to be daisy-chained. Others will have only a single socket. We have developed a radial distribution point (the 803RDP) which allows a number of single socket modules to be supplied from this module. The module can either be used as a distribution block at the end of a main branch (with 6 sub branches) or can be located mid way along a main branch (with 5 sub branches). A T-adaptor may also be used to daisy-chain modules along a backbone or branch.

We can supply spare sockets which can also be used by system integrators who are building E-Plex modules into sub assemblies. We offer the Type 3 socket with either Delphi pins (for E-Plex modules that use Delphi plugs) or with flag terminals (6.3 mm or 1/4") for use on modules with Faston connections.

Key Features

- No tools required.
- Simple to install.
- Waterproof.
- Durable.

Available Components

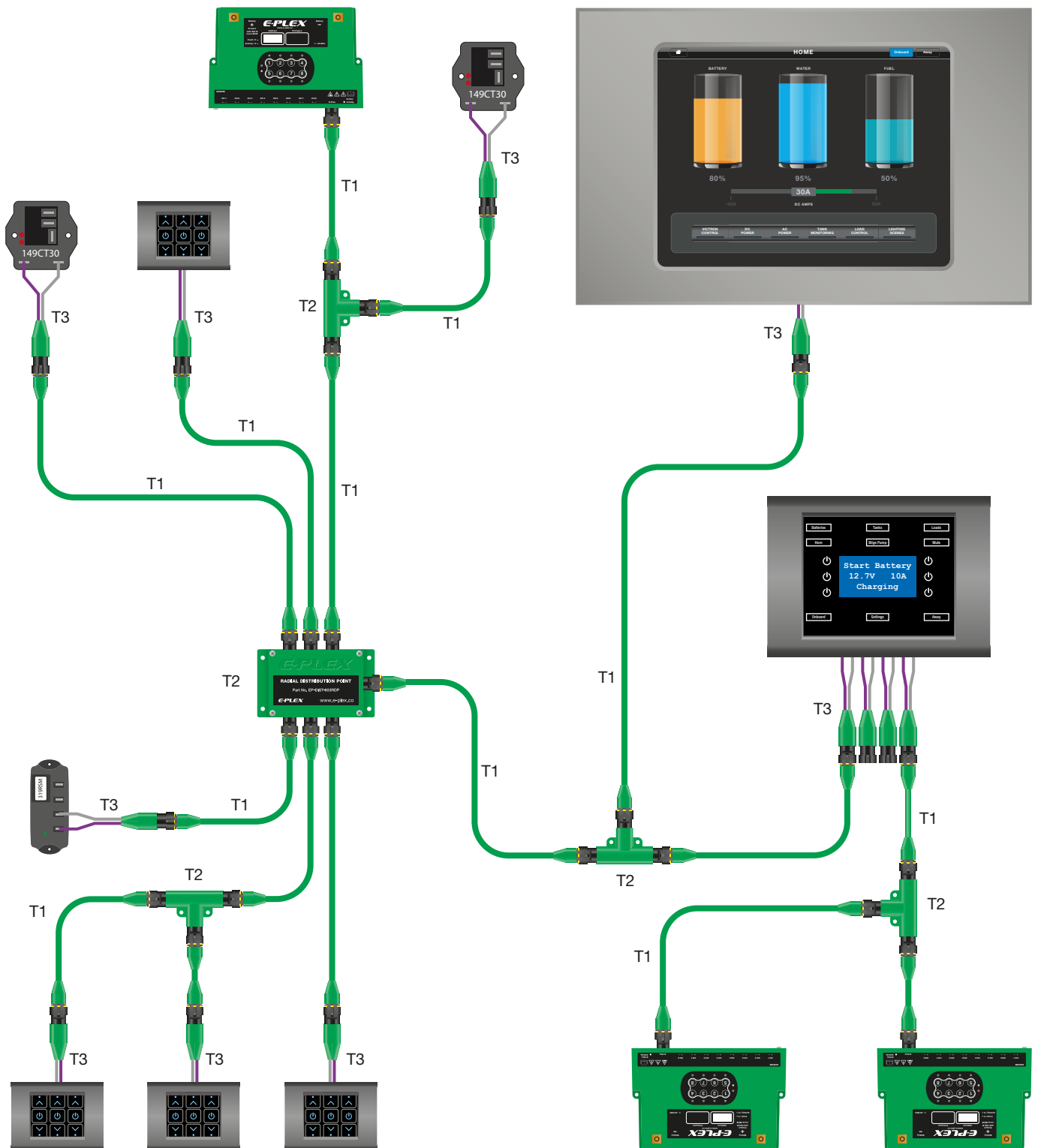
Type 1 Parts	
Part Number	Part Description
Plug to plug cable to interconnect E-Plex modules. Manufactured with twisted pair sheathed cable and overmoulded IP67 plugs.	
EP3-CA-P/P-00.2	EP3 cable assembly - type 1 - 0.2 m
EP3-CA-P/P-00.5	EP3 cable assembly - type 1 - 0.5 m
EP3-CA-P/P-01.0	EP3 cable assembly - type 1 - 1 m
EP3-CA-P/P-03.0	EP3 cable assembly - type 1 - 3 m
EP3-CA-P/P-10.0	EP3 cable assembly - type 1 - 10 m
EP3-CA-P/P-15.0	EP3 cable assembly - type 1 - 15 m
EP3-CA-P/P-20.0	EP3 cable assembly - type 1 - 20 m

Type 2 Parts	
Part Number	Part Description
Socket to socket cable to join EP3 type 1 cables. Manufactured with twisted pair sheathed cable and overmoulded IP67 sockets.	
EP3-CA-S/S-00.25	EP3 cable assembly - type 2 - 0.25 m
EP3-DIST-803RDP	EP3 Radial Distribution Point (7-way female adapter)
EP3-CA-T	EP3 T-adapter (3-way female adapter)

Type 3 Parts	
Spare sockets for E-Plex modules.	
Part Number	Part Description
EP3-CA-S-00.2-DELPHI	EP3 cable assembly - type 3 - 0.2 m. Socket to grey and purple flying leads fitted with Delphi pins. Manufactured with twisted pair cable and overmoulded IP67 socket.
EP3-CA-S-00.2-FLAG	EP3 cable assembly - type 3 - 0.2 m. Socket to grey and purple flying leads fitted with fully insulated flag terminals suitable for 6.3 mm fast on tabs. Manufactured with twisted pair cable and overmoulded IP67 socket.



System Example



- T1 EP3 cable assembly - type 1 - Plug to plug cable to interconnect E-Plex modules.
- T2 EP3 cable assembly - type 2 - Socket to socket cable to join EP3 type 1 cables.
- T3 EP3 cable assembly - type 3 - Supplied with modules.

Revision #1



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