

Delta 8

The all-in-one residential network



Introduction

The core unit of the Delta 8 network permanently transmits VDI signals to all the telecommunication outlets in all the rooms :

- radio and television
- telephone
- data applications.

The core unit acts as an amplifier for radio and television broadcasting.

These VDI signals are distributed via a single link using a shielded wideband RJ45 connector system and Delta 8 twisted pair cable.

The 8 links per unit offer connectivity equivalent to that of a 24 outlet system.



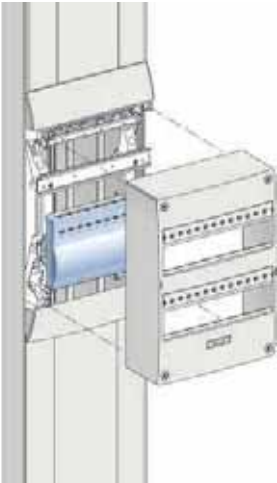
Ease of Installation

- Insulation displacement contacts (IDCs) with easy, fast connection using the universal termination tool.
- Switch for selecting phone lines on the links.
- The system is easy to adjust with the test kit; simply check the amplification level and the overall signal level.

Upgradability

The Delta 8 VDI system has open interfaces to existing and future applications (wireless, voice over IP, digital video, etc.), thus giving the user complete freedom of choice. The standard Delta 8 solution offers one unit for 8 telecommunication outlets. When greater resources or distribution capacity are needed, simply add a second unit daisy-chained to the first, allowing telephone signals to be transferred to secondary units.





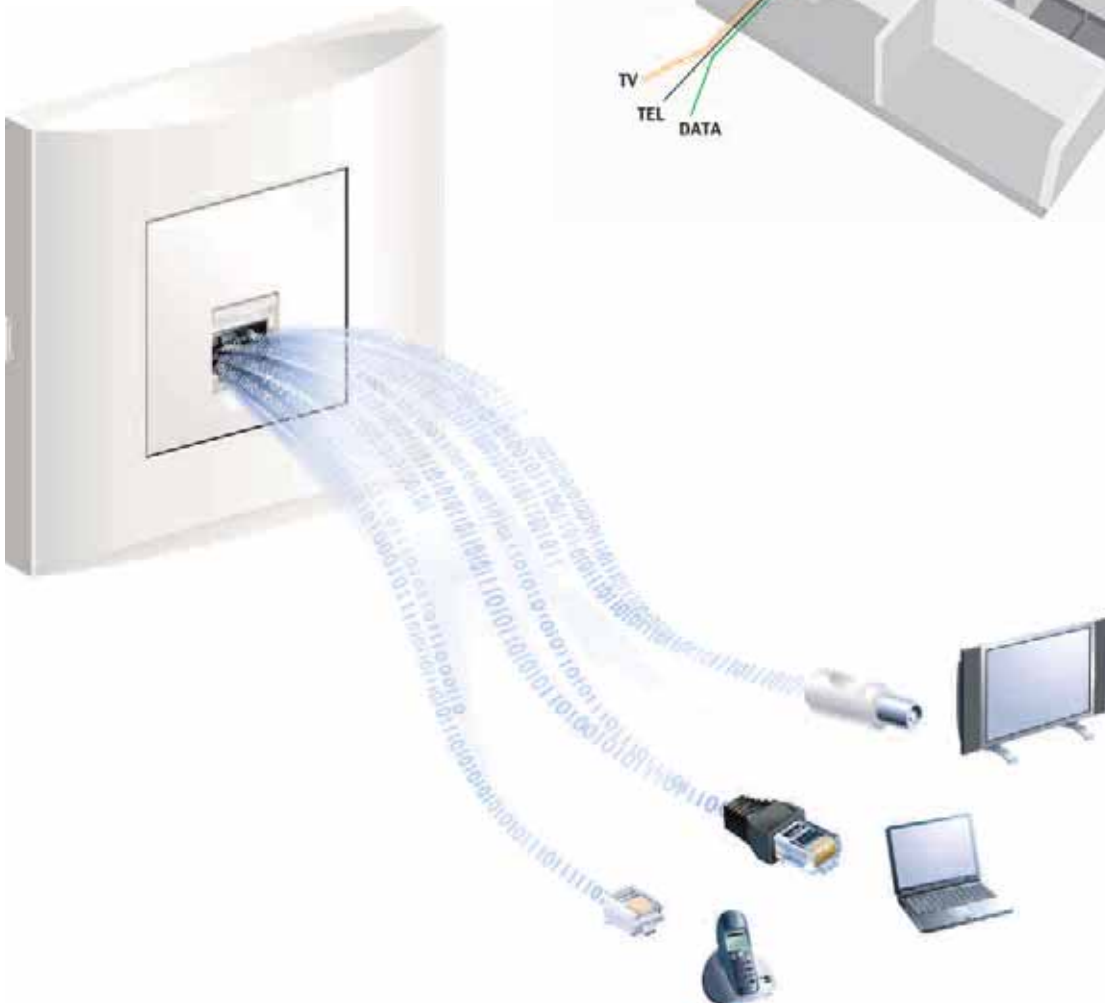
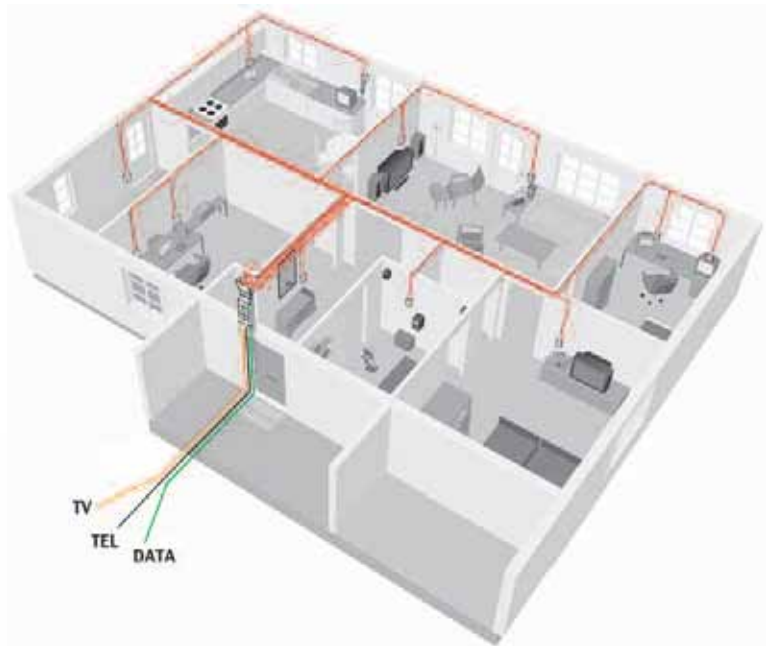
Aesthetic and functional integration

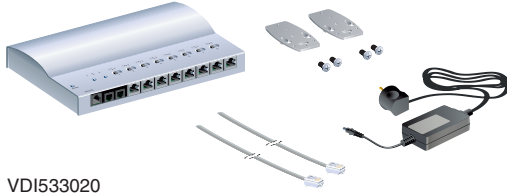
The Delta 8 core unit, attractive and discreet, can be easily integrated into the house, due to

- limited space requirements
- Installation on DIN rail within an enclosure such as the Pragma range
- attachment to 10" mounting for incorporation in 10" VDI rack
- side clips for wall mounting or any other horizontal mounting method.

Ease of use

- No cross-connection required: once the core unit has been connected to the phone cable end, the TV cable or aerial and the data switch, the user can access all supported services from the telecommunication outlets.
- Simply connect radios, TV sets, telephones and data applications with the correct cord to one of the 8 predefined links to obtain the desired application.
- One of the two phone lines can be selected on each of the links at any time.





VDI533020

Core unit

Delta 8, active central processing unit	ref.
Distribution of Voice, Data & Image signals	VDI533020
<ul style="list-style-type: none"> ■ 2 RJ11 tele lines ■ security line RJ31X ■ 8 data ports RJ45 STP ■ gain forward -5 / +15 dB ■ tilt (equalizer) : +/- 6 db ■ input voltage 12 Vdc ■ dimension : 300 x 250 x 90 mm ■ weight : 500 g 	



VDI527005

Cable

Delta 8, S/STP installation cable	ref.
4 pair wide band cable for Delta 8 installations	
120 m	VDI527005
300 m	VDI527004
<ul style="list-style-type: none"> ■ 4 twisted pairs individually shielded S/STP ■ white outer jacket (RAL 9010), LSFROH ■ international colour coding ■ impedance : 100 Ω nom. ■ offered in 120 m box and 300 m drum packing 	

Dedicated cords

TV

Delta 8, TV / R cord	ref.
Connection cord between the wall outlet and the TV or Radio equipment	VDI546031
<ul style="list-style-type: none"> ■ mixed cord TV/R IEC (male) / RJ45 with superior shielding construction ■ flame retardant PVC black cable ■ balun in the RJ45 plug ■ female IEC adapter included for Radio ■ provided in 3 meters length 	

VDI546031



Telephone

Delta 8, Tele cord	ref.
Connection cord for standard telephones	
2 m	VDI546022
5 m	VDI546023
<ul style="list-style-type: none"> ■ mixed cord RJ11 / RJ45 unshielded ■ PVC grey cable ■ overmoulded RJ45 plug ■ offered in two lengths : 2 and 5 meters 	

VDI546022



Data

Delta 8, Data cord	ref.
Connection and patch cord for data application	
0.5 m	VDI546035
1 m	VDI546036
2 m	VDI546037
3 m	VDI546038
5 m	VDI546039
<ul style="list-style-type: none"> ■ RJ45 to RJ45 screened cord ■ PVC grey cable ■ category 5 ■ overmoulded RJ45 plug ■ 2 pairs straight wiring ■ offered in five lengths : 0.5, 1, 2, 3 and 5 meters 	

VDI546036





VDI552012



VDI546033



VDI561014



VDI560015

Connector

Delta 8, STP connector	ref.
RJ45 jack for Delta 8 terminal outlets	VDI552012
■ Screened wide band connector STP	
■ Tool less	
■ International colour coding	

Accessories

Delta 8, Stacking cord	ref.
Stacking cord to daisy chain two Delta 8 units (transfers telephone services only)	VDI546033
■ mixed cord RJ11 / RJ45 unscreened	
■ PVC black cable	
■ overmoulded RJ45 plug	
■ provided in 1 meter length	

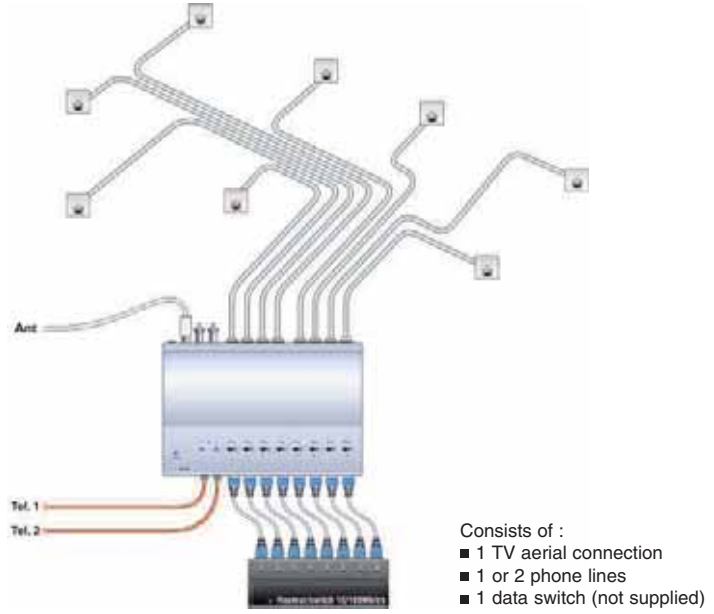
Delta 8, Tool kit	ref.
The tool kit provides a small range of tools especially adapted	VDI561014
it includes :	
■ 1 cable jacket stripper	
■ 1 LSA punch down tool	
■ 1 straight screw driver for gain adjust	
■ 1 cross screw driver for overall mounting	
■ 1 wrench key for F-conn	

Tests

Delta 8, Test kit	ref.
A test system to verify the installation work and to enable correct configuration of the installation.	VDI560015
■ allows the 8 links to be tested simultaneously	
■ tests the wire map (continuity and shorts)	
■ tests cable link length adjustment for TV output level	
■ powered by the Delta 8 core unit	
■ it includes : 1 main unit, 8 remote units and all the necessary interface leads	
■ supplied in a compact steel suitcase	

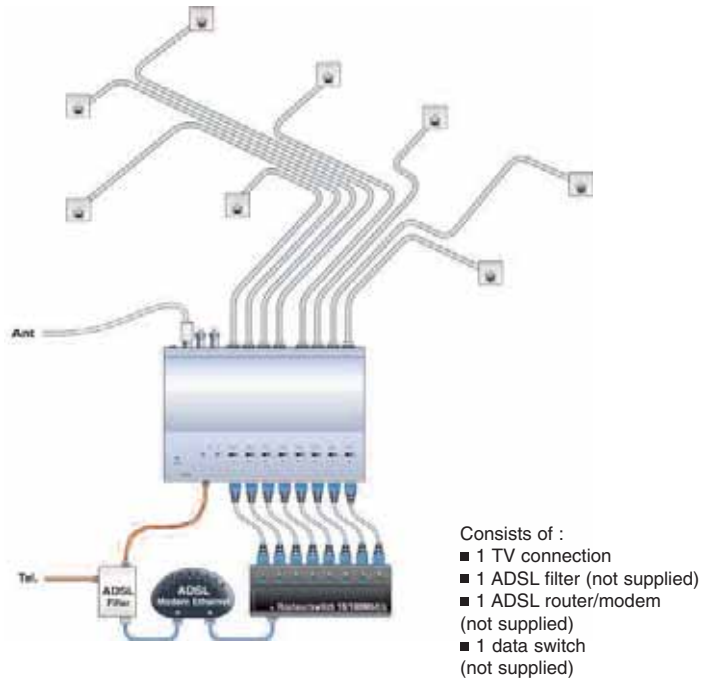
Allows for each telecommunication outlet :
 ■ a connection to the TV aerial
 ■ the choice between the two phone lines
 ■ access to the local computer network.

Standard configuration : TV aerial



Allows for each telecommunication outlet :
 ■ a connection to the TV aerial or ADSL TV
 ■ high speed internet access
 ■ access to the local computer network
 ■ access to ADSL phone line

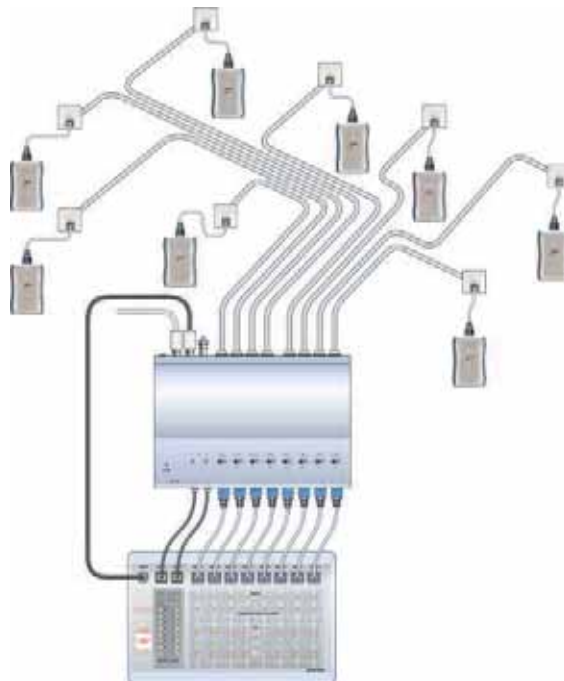
ADSL configuration



Installation test and qualification

Used to check and optimise operation of the installation with accuracy :

- network (continuity and detection of short-circuits)
- setting of each TV outlet according to connecting cable length.



Nationwide support on one number -
call the Customer Information Centre on

0870 608 8 608

Fax 0870 608 8 606

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Merlin Gerin

Merlin Gerin is a world leader in the manufacture and supply of high, medium and low voltage products for the distribution, protection, control and management of electrical systems and is focused on the needs of both the commercial and industrial sectors. The newly launched VDI Network Solutions offer provides flexible, configurable ethernet systems for all communication needs.

Square D

Square D is a total quality organisation and its business is to put electricity to work productively and effectively, protecting people, buildings and equipment. Its low voltage electrical distribution equipment, systems and services are used extensively in residential and commercial applications.

Telemecanique

Telemecanique is a UK market leader and world expert in automation and control. It provides complete solutions, with its range of components, Modicon range of high technology programmable controllers (PLCs), multiple fieldbus and ethernet communication networks, HMI, motion control systems, variable speed drives and communications software. In addition, it offers power distribution through prefabricated busbar trunking.

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