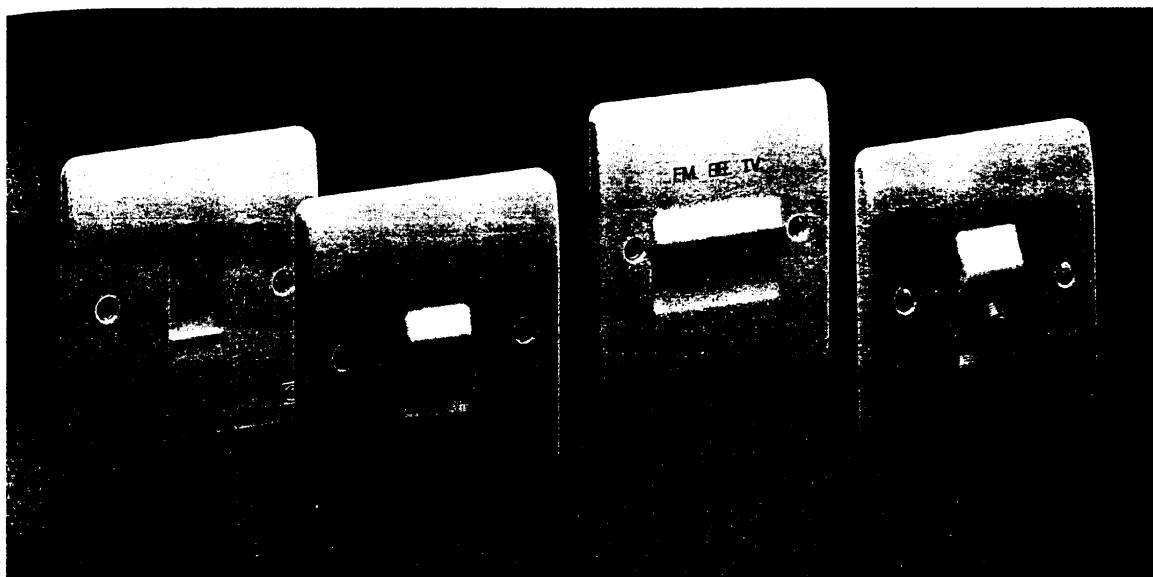


Telephone and TV Sockets

LOGIC
PLUS

721 7195.



2.19

Wiring Devices: Logic Plus

Product range

	List No.
Telephone Sockets	
Telephone socket/master	K422
Telephone socket/secondary	K427
Telephone socket/RJ11 (Western Telecom)	K4817
TV Sockets	
TV/FM Co-axial socket (single)	K3520
Isolated TV/FM Co-axial socket (single)	K3521
Isolated TV/FM Diplexer	K3522
TV/FM Co-axial socket (twin)	K3523
'F' type Satellite socket	K3525

Standards and approvals

Logic Plus Telephone and TV sockets comply with the following:

Telephone sockets K422 and K427

BS 6312: 2.2, BS 5733: 1995 (where applicable) and OFTEL Approval NS/G/23/L/100005.

K4817: BS 5733: 1979 (where applicable) and FCC68.

TV sockets K3520, K3521, K3522 and K3523

BS 3041:Part 2: 1977/IEC 169-2: 1977, BS 5733: 1995 (where applicable) and IEC65, Cls 10.1, 10.3.

TV sockets K3525

BS 5733: 1995 (where applicable)

Description

A part of the very wide range of products in the distinctive Logic Plus style to meet the latest technical requirements and the standards applicable to modern technology in the installation of telephone and television equipment. The master and secondary telephone sockets K422 and K427 comply with relevant OFTEL approvals for direct and indirect connections between a termination point of a public telecommunications system and any piece of approved telecommunications apparatus. For applications requiring twin or dual telephone outlets, refer to 'Modular Data and Telephone Sockets'.

Logic Plus Telephone and TV sockets will fit in plaster depth boxes (except for RJ11).

For the modular products and frontplates in the same Logic Plus range, see 'Modular Data and Telephone Sockets', page 2.21.

The F-type Satellite Socket may be used for connection of CATV, MATV and satellite TV installations.

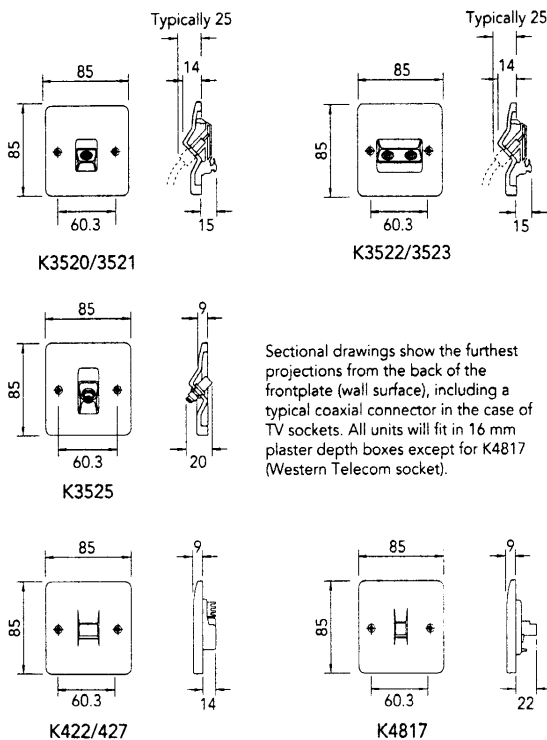
Features

- Single screw termination on TV outlets
- Protected, fully enclosed PCBs
- Meet all relevant BS requirements
- Attractive new easy-clean Logic Plus styling
- Quick, simple and reliable terminal connection
- Can be specified for all applications
- IDC connectors on telephone outlets
- Part of a complete range of products for telephone, television and data processing requirements
- Angled connector on TV outlets
- Sockets fit in plaster depth boxes (except K4817)



Boxes

List No.	Flush box ref.	Surface box ref.
K422	16 mm 3995 ZIC	K2160 WHI
K427	16 mm 3995 ZIC	K2160 WHI
K4817	25 mm 861 ZIC	K2140 WHI
K3520	16 mm 3995 ZIC	K2160 WHI
K3521	16 mm 3995 ZIC	K2160 WHI
K3522	16 mm 3995 ZIC	K2160 WHI
K3523	16 mm 3995 ZIC	K2160 WHI
K3525	16 mm 3995 ZIC	K2160 WHI

Dimensions**Technical specification**

Telephone sockets, cable specification:

CW1311, CW1293, CW1308, CW1316

No. of cables per termination:

0.4 mm to 0.7 mm, 1 or 2

0.7 mm to 0.9 mm, 1 only

Overall installation: 0.7 to 1.4 mm

Re-usability: 0.4 mm to 0.65 mm dia. wire,
>99 reterminations

0.7 mm to 0.9 mm diameter wire,
>9 reterminations (should not be re-terminated with smaller diameter wire)

TV sockets, cable specification:

Any standard low-loss, air spaced

T.V. Co-axial cable:

Outside 4-8 mm diameter, inner conductor
0.5-2 mm diameter

URM 202, URM 203, URM 76, URM 90,
RG 59

Insertion loss: Graphs showing insertion loss available on request

'F' Type satellite socket (K3525), cable specification:

Co-axial cable: inner core diameter – 0.5 -
1.2mm

Technical specification (continued)

RJ11 (K4817), Cable specification:

Capable of taking 0.08 to 0.65 mm²
solid or stranded cable

Physical

Temperature range: Ambient air -20°C to +60°C

IP rating: IP4X

Max. installation altitude: 2000 metres

Installation (Telephone sockets)**Product performance, systems compatibility**

Master Sockets: For use as the first socket outlet on a direct exchange or PABX line. They contain surge protectors (for line protection against electrical surges) and capacitors.

Secondary Sockets: For use as extension sockets when connected on the same master line as a Master Socket.

Installation tools required

MK IDC insertion tool List No. 400 (not supplied with product).

Krone IDC insertion tool List No. 6417/1/810/02 (RS stock No. 470-128).

Wiring regulation restrictions

Domestic installations: BT still hold the franchise on the fitment of the initial socket or terminal. Any number of MK sockets may be installed thereafter, with a maximum of 5 telephones normally being allowed on one exchange line.

Industrial and commercial installations: MK telephone sockets are suitable in all situations after the PBX/PABX has been installed by a recognised installer. For key systems and other 'special' systems, the manufacturer's instructions should be referred to.

Installation (TV sockets)**Product performance, systems compatibility**

Non isolated products K3523 and K3520 are intended for direct connection to a single or two separate TV/FM aerial downloads. These units must NOT be used in multi-outlet aerial distribution systems.

Isolated products K3521 and K3520 are intended for such use and provide the necessary safety isolation, rated at 2000V AC, against a fault occurring within any mains powered product used elsewhere in the system. (It is intended that each unit be fed from a separate 'T' box containing electrical padding and attenuation.)

Use of cable clamp

Sharp bends in the cable must be avoided during installation. The single TV/FM socket is fitted with a cable clamp that can be fixed on either side of the termination position to facilitate this.

Safety information

None of the above products should be installed into the same fixing or mounting boxes as mains rated cable.

Cable Management

Logic Plus Telephone and TV sockets can be mounted on a variety of MK trunking systems. For further information refer to the main Catalogue.