

**Logic Plus**

**TV Outlets**

**(Digital)**

1:2

Logic Plus  
(Monobloc & Modular)

Modular products are suitable for all decorative metal plate ranges with Euro format frontplates



PRODUCT RANGE	
<b>Monobloc</b>	
<b>1 gang</b>	
Single TV(male) Outlet	K3550 WHI
Single TV(female) Outlet	K3551 WHI
TV/FM Diplexer Outlet	K3552 WHI
TV/FM/SAT Triplexer Outlet	K3553 WHI
Single F-Type Satellite Outlet	K3555 WHI
Single TV(male) Outlet + BT Secondary Outlet	K3557 WHI
<b>2 gang</b>	
TV/FM Diplexer Outlet + BT Secondary Outlet	K3560 WHI
TV/FM/SAT Triplexer Outlet + BT Secondary Outlet	K3561 WHI
TV/FM Diplexer Outlet + BT Secondary Outlet + TV(male) Outlet	K3562 WHI
TV/FM/SAT Triplexer Outlet + BT Secondary Outlet + TV(male) Outlet	K3563 WHI
<b>Modular (Euro)</b>	
1 module Single TV(male) Outlet	K5850 WHI/BLK
1 module Single TV(female) Outlet	K5851 WHI/BLK
2 module Twin TV/FM Diplexer Outlet	K5852 WHI/BLK
2 module TV/FM/Satellite Triplexer Outlet	K5853 WHI/BLK
1 module Single F-Type Satellite Outlet	K5855 WHI/BLK

**Description**

**Diplexer modules** are for connecting to a single co-axial aerial down lead carrying combined TV and FM signals. The filtering in the diplexer splits out the appropriate signal and feeds it to the relevant output connection. A DC control path is provided in the TV signal path through the diplexer.

**Triplexer modules** are for connecting to a single co-axial aerial down lead carrying combined TV, FM and SAT signals. The filtering in the triplexer splits out the appropriate signal and feeds it to the relevant output connection. A DC control path is provided in the SAT signal path through the triplexer.

Telephone secondary outlets are provided on some products for connection of telephone or for interactive TV applications.

**Features**

- Non Isolated
- Fully screened
- Earth terminal provided on TV modules
- Selected products with BT secondary outlets for interactive TV applications
- Selected products with supplementary TV outlet for back-feed for further distribution.

**Box types**

	Flush	Flush (for Extra wiring space)	Surface Insulated	Surface Metal
1 gang	861 ZIC	866 ZIC	K2140 WHI	K2211 ALM/K2213 ALM
2 gang	862 ZIC	886 ZIC	K2142 WHI	K2212 ALM/K2214 ALM

Minimum recommended box depth 32mm

Note: Edge/Insignia mounted modular products require 45mm box



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decorative metal plate ranges



#### TECHNICAL SPECIFICATION

##### Frequency Specification

##### TV outlet

Single Modules: DC - 950MHz

Diplexer Modules: DC - 68.5MHz, 174 - 862MHz

Triplexer Modules: 5 - 68.5MHz, 174 - 862MHz

##### FM outlet

Single Modules: DC - 950MHz

Diplexer Modules: 87.5 - 108MHz

Triplexer Modules: 87.5 - 108MHz

##### SAT outlet

Single Modules: DC - 1.75GHz

Diplexer Modules: n/a

Triplexer Modules: DC - 200kHz: 950 - 2400MHz

### Cable Management

Logic Plus TV outlets can be mounted in a variety of MK trunking systems.

See MK catalogue for further details.

#### Standards and approvals

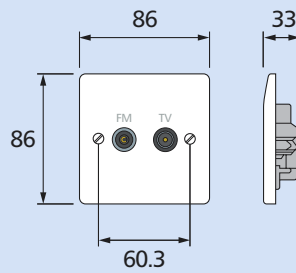
All Logic Plus TV Outlets comply with BS 5733 and BS EN 50083 where applicable.

Also IEC 169-2, BS EN 60169-24 and BS 6312 part 2

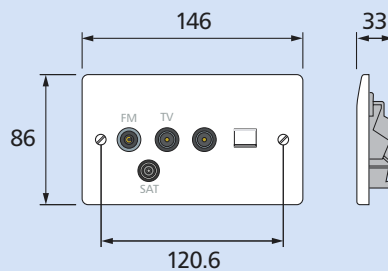
Modular products are Euro compatible.



#### 1 gang (monobloc) dimensions (mm)



#### 2 gang (monobloc) dimensions (mm)



### Installation

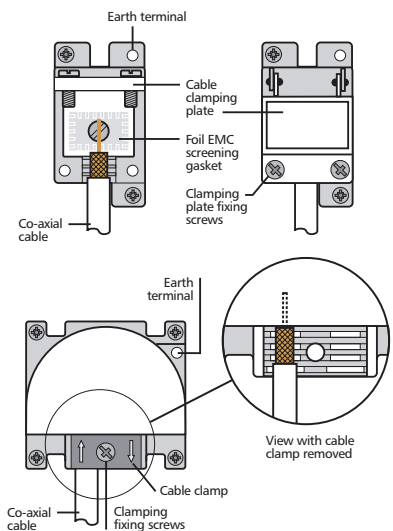
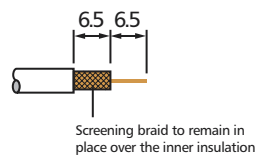
• When installing the TV Co-axial cable ensure that all cable bends are smooth so that the inner insulation is not crushed or squashed. Otherwise the TV signal quality may be affected.

• Not suitable for loop-in loop-out installations

• use CT100 cable (or equivalent.)

When installing the TV Co-axial cable ensure that all cable bends are smooth so that the inner insulation is not crushed or squashed. Otherwise the TV signal quality may be affected.

#### TV Co-axial cable stripping details



In the event that the earth terminal is required to be used, the installer must ensure that a suitable earth conductor is present to connect to the earth terminal. (In the case of 2G products both TV modules should be earthed).

### BT Outlet Connection

Carefully strip 50mm of the BT cable outer sheath to expose the inner insulated conductors. Using the insertion tool supplied, (MK List no. 400) carefully push each lead into the appropriate IDC terminals according to the wiring colour code stated in the BT Wiring Scheme diagram.

Pins 1 and 6 are frequently unused, 4 wire cable may be used in these installations

If an existing installation uses a different wiring colour code system, this should be retained on any new or extended installation.

Additional secondary extension outlets should be wired in parallel with the existing installation via the IDC terminals, (i.e. pin 1 to pin1, pin 2 to pin 2, etc).

#### BT Wiring Scheme

- 1 GREEN/white
- 2 BLUE/white
- 3 ORANGE/white
- 4 WHITE/orange
- 5 WHITE/blue
- 6 WHITE/green

**Note :**  
Main wire colour is shown in capitals

