

## Instruction - Triax TMP Mains Powered Multiswitches

**305370 - TMP 5 x 8**

**305372 - TMP 5 x 12**

**305374 - TMP 5 x 16**

**305376 - TMP 5 X 24**



### Overview:

The Triax TMP range of Multiswitches are mains powered, stand alone and fully screened designed for use in single satellite, Integrated Reception Systems, (IRS).

The 5 Inputs allow connection to the 4 Satellite bands, (Vertical Low, Horizontal Low, Vertical High and Horizontal High), derived from a Quattro LNB. The fifth Input is for Terrestrial signals and is suitable for Radio, TV and CCTV signals. Each input has its own independent level control.

The range includes 8, 12, 16 and 24 Output versions with the 24 Output version having additional stepped output attenuation making it ideal for installations which have long and short consumer cable drops.

### Key Features:

- 8, 12, 16 and 24 Outputs.
- Adjustable input level controls.
- Stepped output attenuation on 24 Output version.
- Switchable Masthead power supply on Terrestrial Input
- Built in Switch Mode Power Supply.
- Colour coded Inputs.
- Supplied with input and output bond bars.



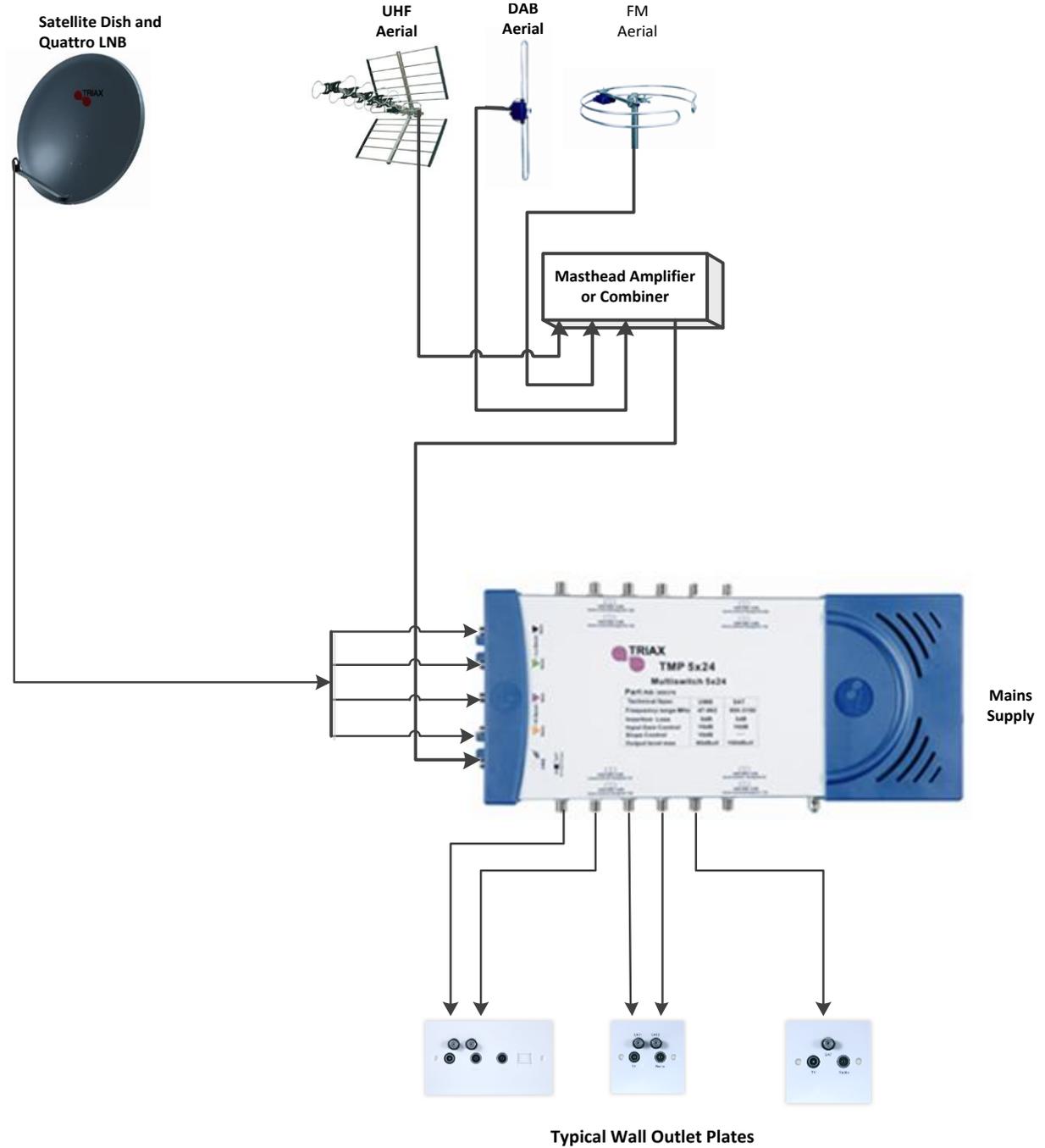
## Specifications:

TRIAX TMP RANGE - 5 INPUT		TMP 5 x 8	TMP 5 x 12	TMP 5 x 16	TMP 5 x 24
Part Number		305370	305372	305374	305376
Frequency Range (MHz)	Terrestrial	47 - 862	47 - 862	47 - 862	47 - 862
	Satellite	950 - 2150	950 - 2150	950 - 2150	950 - 2150
Inputs		5	5	5	5
Outputs		8	12	16	24
Insertion Loss (dB)	Terrestrial	0	0	0	0
	Satellite	0	0	0	0
Input Level Control (dB)	Terrestrial	15	15	15	15
	Satellite	10	10	10	10
Slope Control (dB)	Terrestrial	10	10	10	10
Output Level Control (dB)	Long Cable	/	/	/	0
	Medium Cable	/	/	/	6
	Short Cable	/	/	/	12
Isolation (dB)	Horiz / Vert	30	30	30	30
	Terr - Sat	30	30	30	30
	Sat - Terr	30	30	30	30
	Out / Out - Terrestrial	30	30	30	30
Input Return Loss (dB)	Terrestrial	10	10	10	10
	Satellite	10	10	10	10
Output Return Loss (dB)	Terrestrial	8	8	8	8
	Satellite	8	8	8	8
Max. Output Level (dBuV)	Terrestrial (IMA3-60dB)	88	88	88	85
	Satellite (IMA3-35dB)	100	100	100	100
Line Power Voltage (V)	(Switched Terrestrial)	12	12	12	12
Line Power Current (mA)	(Switched Terrestrial)	50	50	50	50
Switching Commands		13V, 18V, 13V 22kHz, 18V 22kHz			
Switched Mode Power Supply		180-264 Vac, 47-63Hz / 18VDC, 1.5A			
LNB Current, Max (mA)		1000			
Dimensions (mm) (L x W x H)		232 x 170 x 56	282 x 170 x 56	382 x 170	

Triax reserves the right to change specification at any time without prior notice.



## Typical Application:



## **General Information:**

### **Location:**

The Multiswitch should be installed in such a location that cables can be easily run from the Satellite Dish and Aerials and to the wall outlet plates. Keeping the length of cable runs to a minimum will increase the signal levels available.

The Multiswitch should be located near a suitable mains supply, preferably within the range of the mains cord and be easily accessible for maintenance etc.

Ensure that the Multiswitch is located in a dry position where it will never be subjected to dripping or splashing water or other liquids. The Multiswitch is NOT waterproof and is for INDOOR use only.

### **Ventilation:**

It is best to install the Multiswitch in a cool environment. To prevent overheating, always ensure that the product is installed in a well ventilated position. Ensure there is sufficient clearance around the Multiswitch, (25mm minimum), and never allow the Multiswitch to become covered, for example with loft insulation, blankets, curtains etc.

Ensure that the Multiswitch is located in a suitable environment so that it never operates outside its specified temperature range, (0<sup>0</sup>C to +55<sup>0</sup>C).

### **Fixing:**

The Multiswitch should be securely fitted to a solid service using appropriate fixings. Never allow the Multiswitch to be supported by the attached cables or to be free standing on a carpet or other flammable material.

### **Electrical Supply:**

The electrical supply and connection to the Multiswitch should be carried out in accordance to BS7671 IEE Wiring Regulations

The Multiswitch is fitted with a UK 3-Pin plug fitted with a BS 1362 3 Amp fuse. Should this fuse ever need replacing ensure the replacement is to the same value and type.

### **Satellite and Aerial Cable connections:**

It is recommended that all coaxial cables connecting to the Multiswitch are fitted with suitable crimp or compression type 'F' Connectors. The use of twist on 'F' Connectors is not recommended.



## **Safety Advice:**

The installer should note the following safety tips:

- The Multiswitch is for indoor use only and should be installed in a suitable environment.
- The Multiswitch is securely mounted on a solid surface using appropriate fixings.
- The Multiswitch is well ventilated at all times and there is sufficient clearance around the unit.
- Ensure the Multiswitch can never become covered, e.g. by loft insulation, blankets, curtains or any other insulating material.
- Ensure the Multiswitch always operates within its specified temperature range, (0°C to +55°C).
- The Multiswitch is not waterproof, it must never be exposed to liquids such as dripping or splashing water or be located in a location where it may come into contact with any liquids.
- The multiswitch, or its associated wiring and connections, must never be exposed to, or installed close to, any naked flame.
- The Multiswitch is fitted with a fused 3-pin UK plug
- Replacement fuses should be an ASTA or BSi approved 3 Amp BS 1362 fuse.
- If the standard plug needs to be changed, any instructions supplied with the replacement plug must be followed carefully. The BROWN wire must be connected to the LIVE (L) terminal of the plug and the BLUE wire to the NEUTRAL (N) terminal of the plug. No wires are connected to the EARTH (E) terminal. Ensure the mains cable grip is tightened so that it holds the mains cable firmly. Note, the mains cable grip should clamp the outer sheath of the mains cable, **not** the brown or blue inner wires.
- Ensure any removed plug is correctly disposed of immediately as this could be dangerous if plugged in to a live mains socket.

## **Guarantee:**

The multi-switches listed on this instruction sheet are supplied with a 24 month manufacturer's guarantee from date of original purchase.

In the unlikely event of an issue occurring within this period, please contact your point of sale. Proof of purchase will need to be supplied.

1. This guarantee only applies to defects due to faulty workmanship or materials. It does not cover faults or damage caused by (but not limited to) accident, misuse, fair wear and tear, signal related issues, neglect, tampering with the product or repair other than by a facility appointed by Triax UK Ltd.
2. The product must be correctly installed and operated in accordance with the instructions contained in this operating manual.
3. Triax UK Ltd disclaims any liability for incidental or consequential damages.
4. This guarantee is in addition to, and does not diminish your statutory or legal rights.



## **DECLARATION OF CONFORMITY**

1. No **T 40005-1**
2. Issuer Name **TRIAX UK LTD**
- Issuer Address **ABERGORKI INDUSTRIAL ESTATE  
TREORCHY, RHONDDA-CYNON-TAFF  
CF42 6DL UK  
Sales Tel: 0845 601 0578  
Sales Fax: 0845 601 1023**
3. Object of the Declaration **TMP PRODUCT GROUP**
4. The object of the declaration described above is in conformity with the requirements of the following documents:
5. Document No Title
- |              |                       |
|--------------|-----------------------|
| 89/336/EEC   | EMC Directive         |
| 2006/95/EC   | Low Voltage Directive |
| 93/68/EC     | CE Marking Directive  |
| 2002/95/EC   | RoHS Directive        |
| 1907/2006/EC | Reach Regulations     |
| 94/62/EC     | Packaging Directive   |

The product identified above complies with the relevant EC Directives by meeting the following standards:

BS EN 60728-3	Active Wideband Equipment for Co-axial Cable Networks
BS EN 60728-4	Passive Wideband for Coaxial Cable Networks
BS EN 60728-5	Head End Equipment for Cable Distribution Networks
BS EN 60728-11	Safety Requirements for Cable Distribution Systems
BS EN 50083-2	EMC for Cable Distribution Equipment
BS EN 60169-24	F Connector Standard

6. The declaration of conformity is made in relation to the associated tests carried out and verified by our suppliers and their authorised test facilities.  
In conjunction with the above all manufacture and process controls are in accordance with ISO 9001:2008 and ISO 14001:2004

Signed for and on behalf of:  
TRIAX UK LTD  
8<sup>th</sup> August 2012

KEVIN EDWARDS  
MANUFACTURING MANAGER

Iss 1, 08-08-12

