

GUIDANCE NOTES

AFILS Commissioning Standard Terms

1.0 Inspection and testing of wiring

*Note - these tests should be carried out **PRIOR** to commissioning, with equipment disconnected.*

- 1.1 All wiring must be installed and secured to BS7671:2001.
- 1.2 ECA recommended Cable Separation for Electromagnetic Compatibility in Buildings, must be followed.
- 1.3 All installed cables with a voltage rating suitable for mains use should be subject to insulation testing at 500V d.c. Prior to this test, cables should be disconnected from all equipment that could be damaged by the test.
- 1.4 Insulation resistance, measured between conductors, and between each conductor and earth, and between conductor and any screen, should be, at least, 2M ohms.
- 1.5 Earth continuity and, for mains supply circuits, earth fault loop impedance should be tested to ensure compliance with BS7671:2001.
- 1.6 Earth continuity must be maintained throughout all cabling.
- 1.7 All termination boxes to be securely fixed and earth bonded.
- 1.8 All conductors must be identified. Tails should be sufficient length to connect with the equipment.
- 1.9 Any cabling errors must be located and rectified by the electrical installer.

2.0 Connection of field equipment

- 2.1 All field equipment, must be connected as per the provided wiring connection diagrams.
- 2.2 Install all field devices i.e Interfaces, Loops, Microphones, etc.

3.0 Connection of AFILS Amplifiers

- 3.1 ALL equipment must be secured correctly.
- 3.2 Field wiring must be local to the Amplifiers/PSU/interface units, however no cables must be connected.
- 3.3 Power MUST NOT be switched on until the commissioning engineer is in attendance.

4.0 Documentation

- 4.1 All test results from 1.0 should be available for our commissioning engineer.
- 4.2 Cause and effects specification should be available in writing for our commissioning engineer. Failure to provide any system specification will result in the system being pre-programmed. Any return visit to change the program will be chargeable at our current rates.

5.0 General

- 5.1 The commissioning application form must be completed before an engineer will attend site.
- 5.2 Suitable scaffolding and plant must be supplied to meet the requirements of the Health and Safety at Work Act.
- 5.3 The installation electrician shall be present for the duration of the commissioning, along with the wiring drawings.
- 5.4 An appointed representative will be present to witness tests and provide the certificate of installation and commissioning so that our engineer can sign. If this certificate is not available, then we will provide a Provoice product commissioning certificate.
- 5.5 A commissioning cannot take place if an account is overdue.
- 5.6 Payment for commissioning will be nett, payable within 28 days.
- 5.7 Commissioning of systems will normally be charged at engineers current rate plus all expenses unless a figure is previously quoted. If quoted, insert figure on application form. When a quotation is given it is subject to all terms and conditions being adhered to, and the information given on this form being accurate. If this is not complied with, then at our sole discretion, we reserve the right to charge on a time and expenses basis. Normally we will allow a total allowance of 30 minutes waiting time on site for breach of terms to be rectified before implementing the above.

6.0 Product commissioning standards

- 6.1 The equipment will be commissioned to the BS EN 60118-4:1998 and BS7594:1993 section 5.
- 6.2 If additional sections of the BS EN 60118-4:1998 or BS7594:1993 are required, this work will be chargeable at our current rates.
- 6.3 Our commissioning does not include certifying or providing a 'Verification certificate'.