

Universal Test Adapter Smart Switch

Kit- Item Code: 082380

Intended use of Network Access Test Adapter

The Network Access Test Adapter is intended for use by field technicians/engineers and under normal conditions is exposed to telecommunications network voltages.

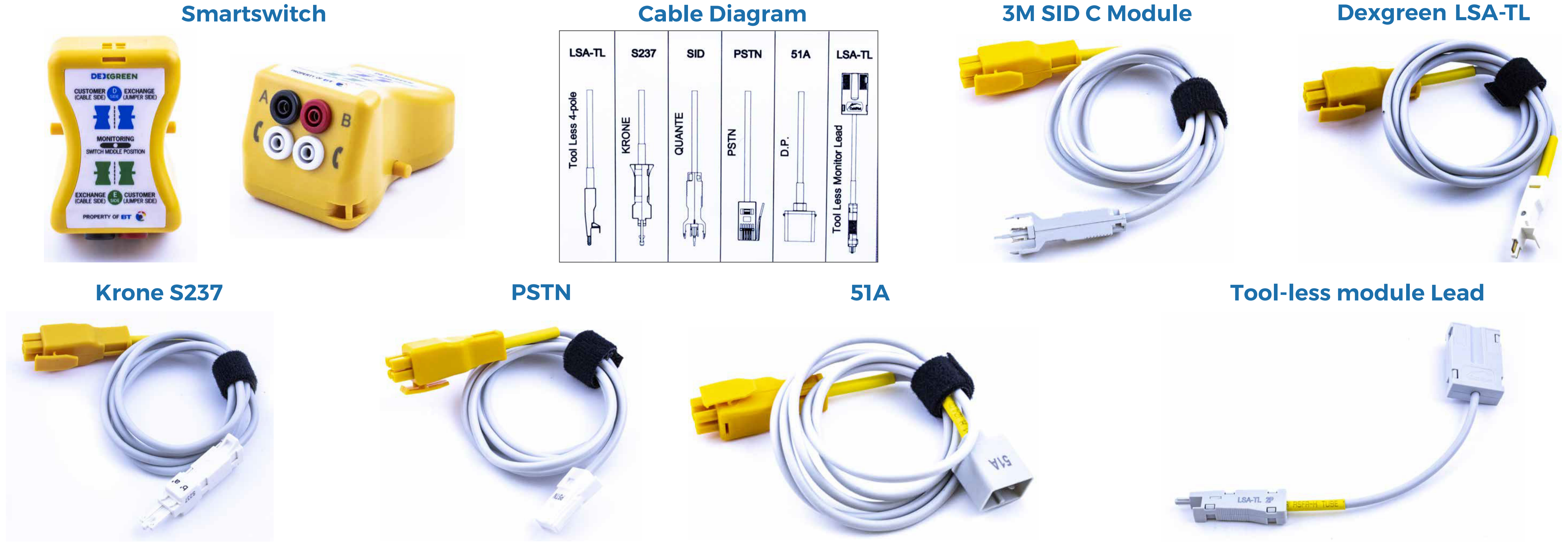
Should a fault condition occur with hazardous voltages on the network, the Network Access Test Adapter offers protection to field technicians/engineers in form of basic insulation to a working voltage of 300 Vrms CAT II.

The Network Access Test Adapter is a connection tool for telecommunications networks. The Network Access Test Adapter has a switch which enables the technician to access a cable pair at an MDF, or CCU, etc., and in turn Monitor the cable pair before performing any test.

The operator then uses the switch to select the direction to conduct a test from this test point, either back towards the Exchange or out towards the Customer.

One of the main features of the test adapter is that it can obtain access simultaneously with the exchange and customer sides.

Kit Contents



Tests and Functions performed

The Network Access Test Adapter allows different testing equipment to gain access at the cross connecting point, the test adapter does not facilitate the technician to carry out any testing.

When switched to the Monitor position, with the appropriate access plug, it can be inserted into the matching module to allow the technician monitoring of the line in question. This test is usually conducted with a test phone set.

By moving the switch through the available positions marked on the housing, this allows the technician to carry out further connections to varying types of test equipment to determine line conditions.

Depending on which way the Module and Access plug is setup, the Operator can select, with the switch, the Exchange or Customer side for testing.

By selecting the Exchange side, lines can be assessed using the auto test features. When the Customer Side is selected, testing or checks can be carried out.

In general, the Network Access Test Adapter with all its optional plugs, is normally used by any Technician or Communication Officer, in the performance of their duties, where access to the copper line is required at any test point along the line.

This can be between and including, the Exchange and the customer's premises.



Major features of the Network Access Test Adapter

The major features allow the connection of any standard test instrument to a Telecommunication or Data Network via:

- Line Access, non-interrupting, Monitoring
- Access to the Exchange side by simple switching without changing lead connections
- Access to the Customer side by simple switching without changing lead connections
- Access to both the Exchange and Customer individually at the same time, by simple switching without changing lead connections
- Safety of the Operator from non-standard, dangerous voltages on the line
- The branded test leads currently supplied with the Smart Switch are those commonly used in the

Openreach Access Network. LSA TL [4pole], LSA TL [2pole test monitor], LSA 237 series 2, SID, PSTN and 51A.

- Operating manual supplied with each kit.

Tool Less Monitor Lead Recently introduced.

The Tool less Monitor lead is 2 Pole 100mm lead which allows monitoring of the pair under test without disruption to either voice or Broadband service.

The adaptor is to be used where a CPI tone cannot identify your circuit and you may be interrupting a working circuit, an example of this is where you have been given a routing of a spare pair and it has a jumper terminated and could be an unknown working circuit.

Inserting the adaptor allows a check of the correct circuit using a test telephone and dialling 17070. Digital services such as SDSL or private wires can be identified using the service detect function of a Hand Held Tester.

If a working circuit is identified on your spare pair then records should be amended to show this.

When you have identified the correct port for your circuit then the standard 4 pole Tool less test lead should be used with the Network test Adaptor allowing tests to be carried out each way as normal.

Key Features

1. Warning Note

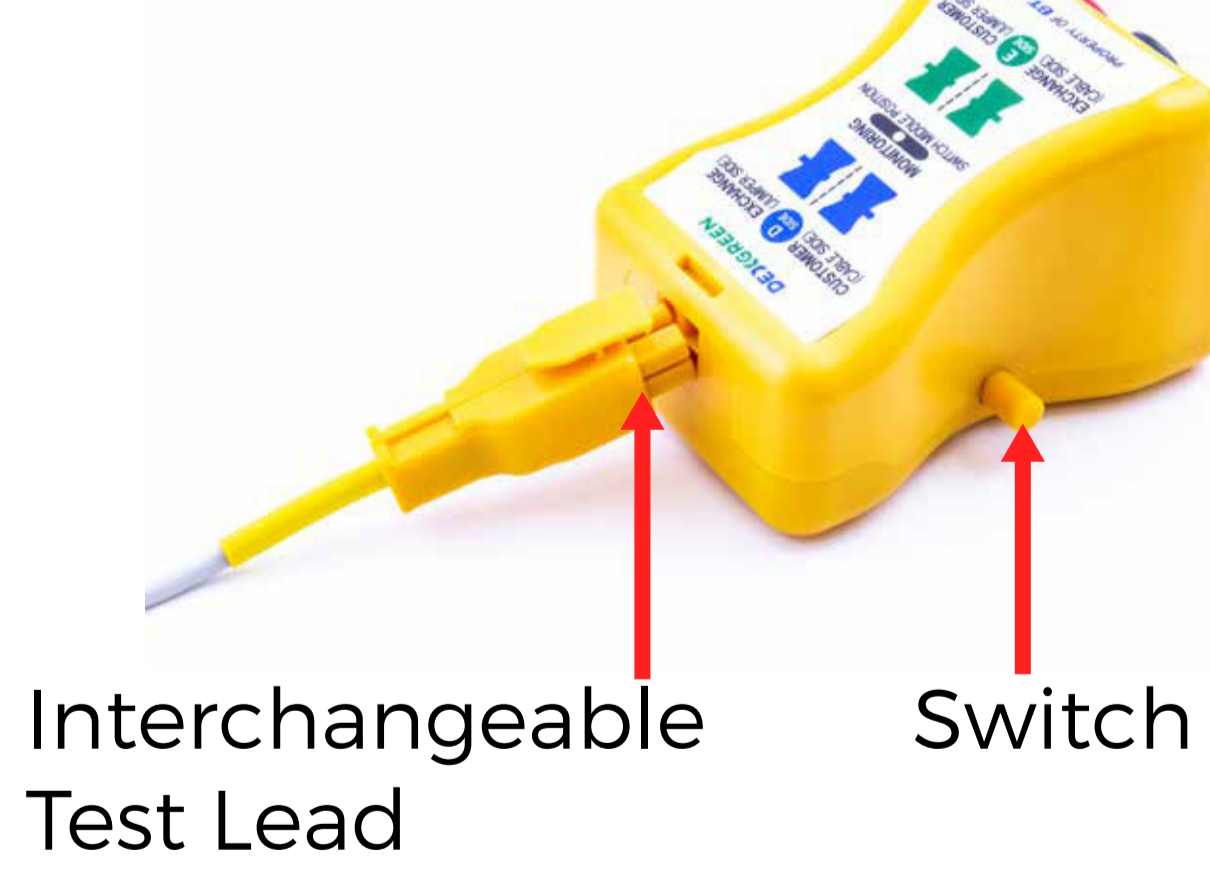
Ensuring the plug or socket contacts are not touched.

High Voltage Warning

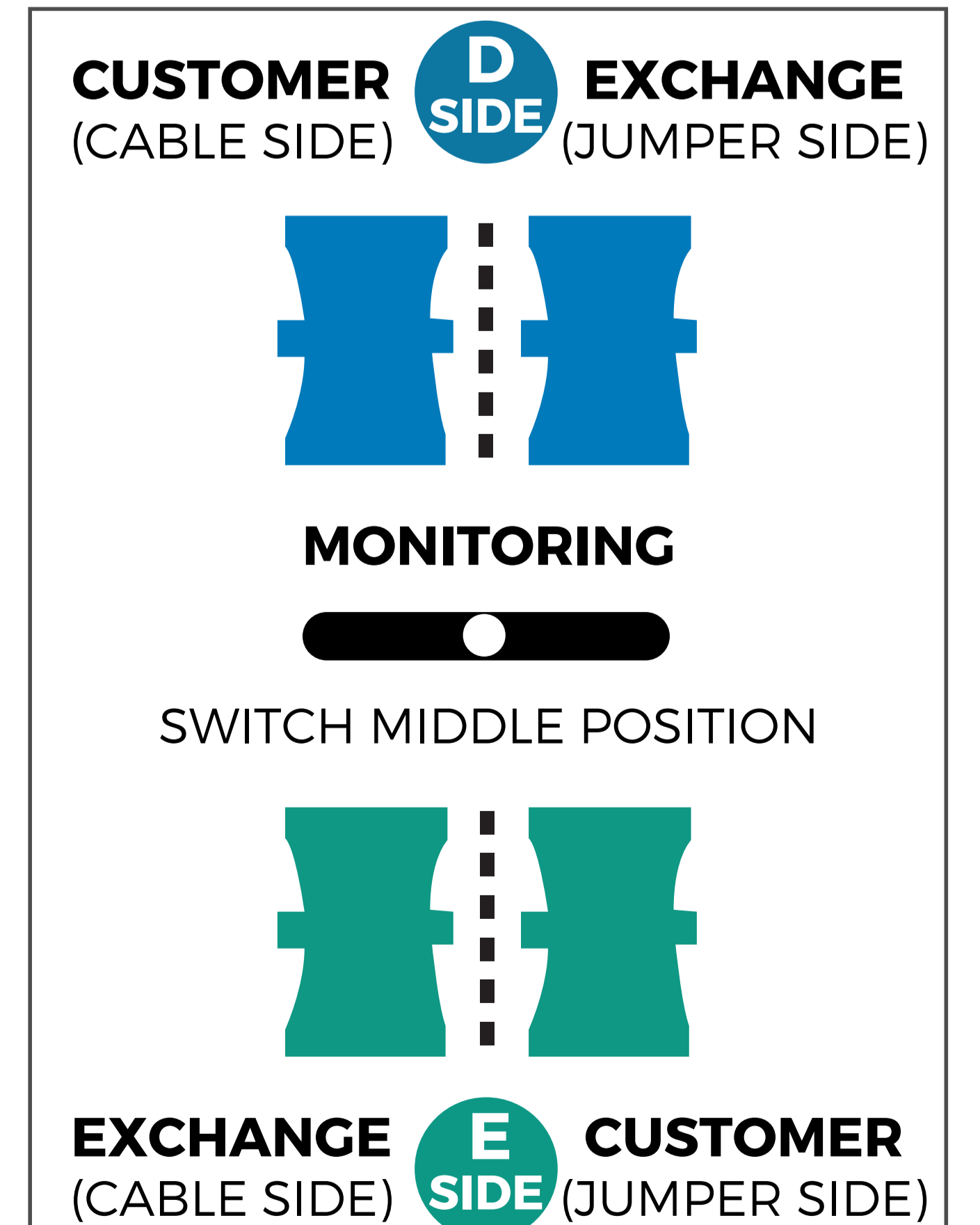


2. Test Instrument Connection

4mm Shrouded Banana Sockets for test instrument Connection



3. Switch Operation Diagram



4. Connections at the banana sockets



Switching Sockets
Choose the test mode with switch monitor/ exchange/ Customer

Non Switching Sockets
Permanent Jumper Side Only

5. Example of Switch Position



Check The Jumpering
Move both switched to jumper side