



INSTALLATION GUIDE

SED-642- Dual Lift System

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LIMITATION OF LIABILITY

Sec-Eng Systems products are intended to reduce the risk of loss and damage to property in which the goods are installed to the extent which is practical. Sec-Eng Systems does not accept any liability for the loss or damage to property or persons in relation to goods supplied. This disclaimer is only limited to the warranty of the goods supplied and the intended use of the goods.

PRODUCT WARRANTY

This product is covered by a 12 month, **Back-to-Base Warranty**, from the date of purchase and proof of purchase should be supplied. The warranty does not cover damage that has resulted from the improper installation or use of the product. The warranty does not cover damage by lightning, product misuse, electrical surges or acts of God.

WARNING: Important

This Equipment **Must** be installed by a Qualified Installer

1. The SED-642 is only to be installed by an authorised service person.
2. The supplied 16V AC Plug Pack must only be connected to a 240V AC outlet socket with a **protective earth connection**.
3. Do not wire to a AC transformer or any other supply in parallel with this product. **DOING SO WILL VOID WARRANTY.**
4. Ensure the unit is mounted in a safe, secure & **UPRIGHT** position.
5. Disconnect all Telecommunication connectors before disconnecting the power supply cord or protective earth.

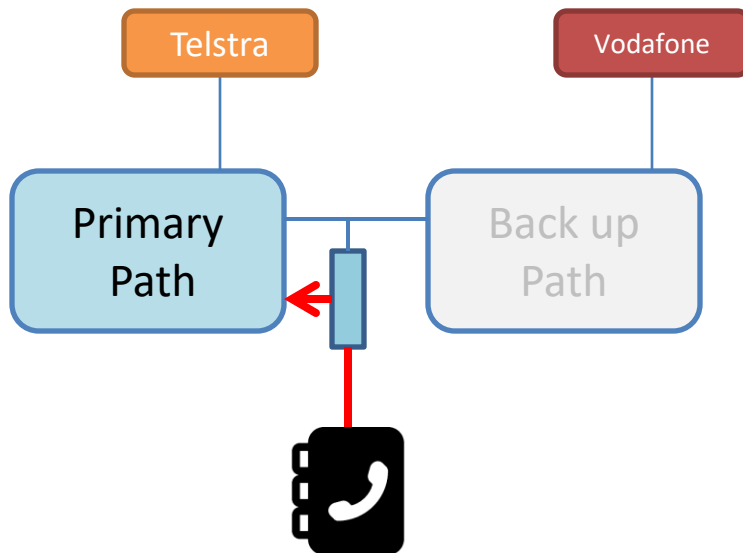
Mode of Operation

The SED-642 Dual Lift system is a true backup system as you have two independent units that can be configured to operate on 2 different carriers by installing separate sim cards. Once installed and set up the system shall work as follows:

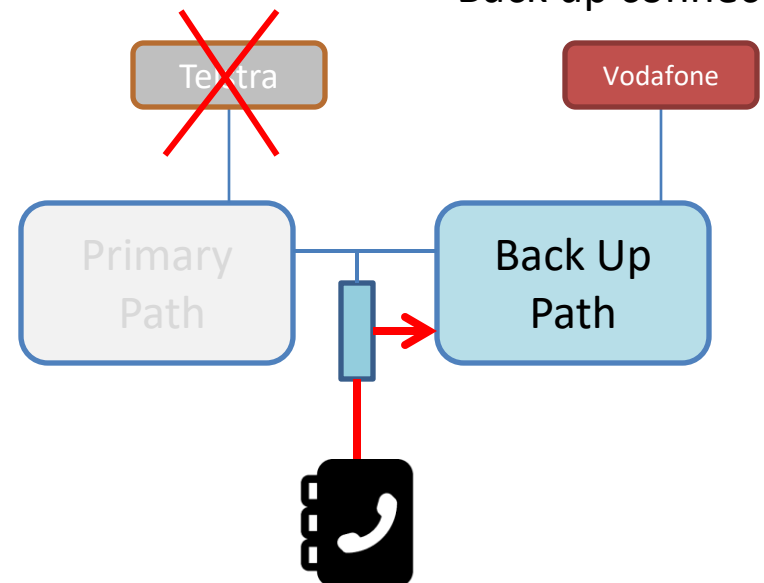
Both the primary and back up unit will be connected to a mobile carrier, but the lift phones will normally only use the primary path when dialling.

Once the system detects that the network is down on the primary unit it will switch to the back up path within 30 seconds.

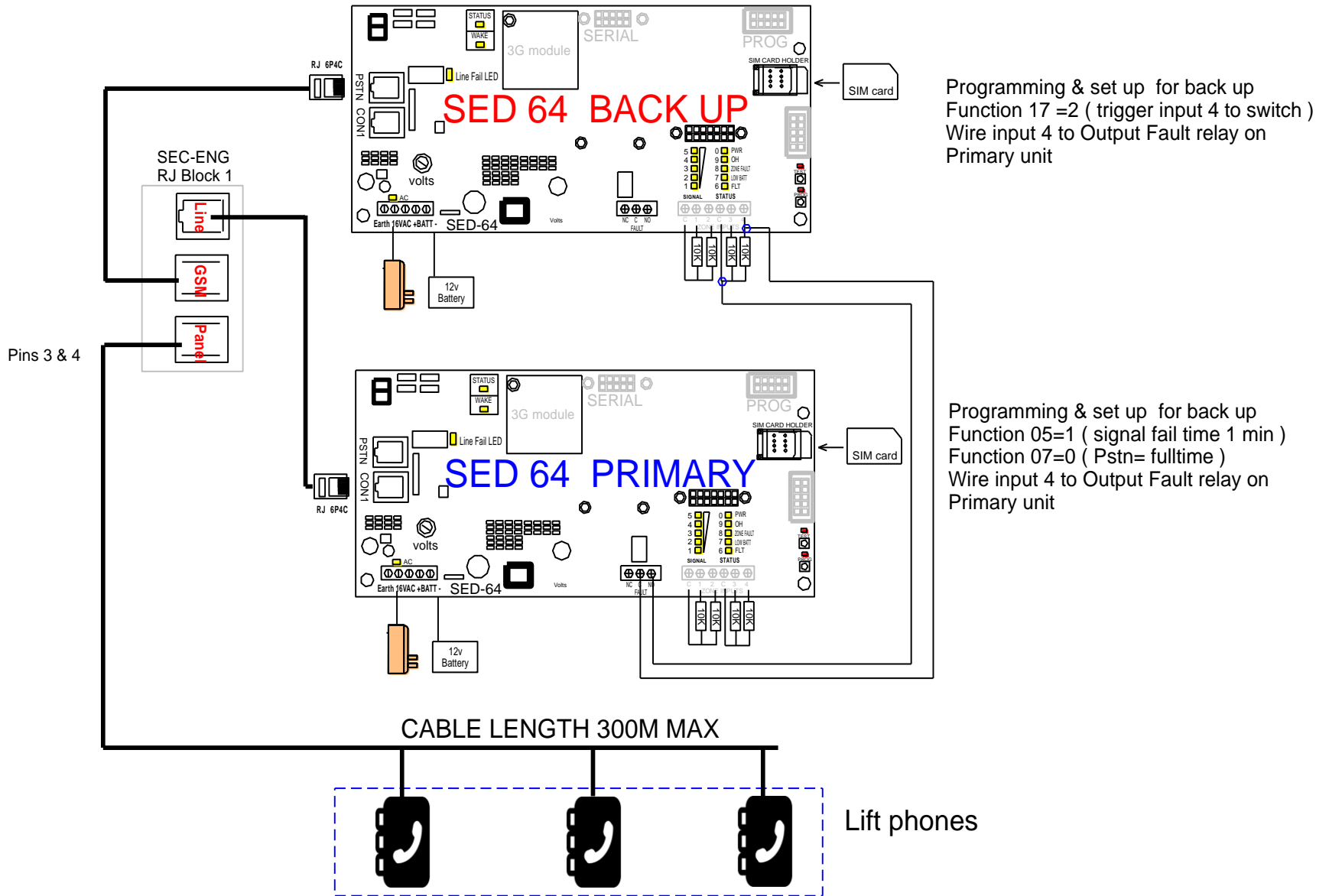
Primary connection



Back up connection



Connection Wiring Guide



Program and Setup

1. Wire up both units as per the diagram on previous page of this guide.
2. Insert sim cards, power up and check for mobile phone signal on both units.
3. Program the Back Up unit with the following (see pages 1-5 on SED-64 manual for how to program)
Function 17=2
4. Program the Primary unit with the following (see pages 1-5 on SED-64 manual for how to program)
Function 05= 1
Function 07= 0

Testings

1. Plug a Telephone butt/hand set into the RJ block where the lift phones will connect. (See Previous diagram)
2. Pick up the hand set and the OH LED should illuminate on the Primary SED-64 indicating a call is in progress. You should hear a dial tone and be able to dial a number to test voice communication.
3. Hang up and disconnect the battery and AC to power off the Primary unit. This should switch the path to the Back Up unit within 30 seconds.
3. Once the system detects the Primary unit has failed it will switch to the Back Up unit (i.e. the fault relay will be triggered on the Primary unit)
3. Pick up the hand set again and now OH LED should be illuminated on the Back Up unit.
4. Perform another voice call test.
5. Once tests are complete, turn the Primary unit back on.

