

# SIS SOLO/Duo Electrical Isolation System

## Operating Instructions

This pillar is fitted with the SIS electrical isolation system, the SOLO/Duo unit is shown below and a detailed wiring diagram on the reverse.

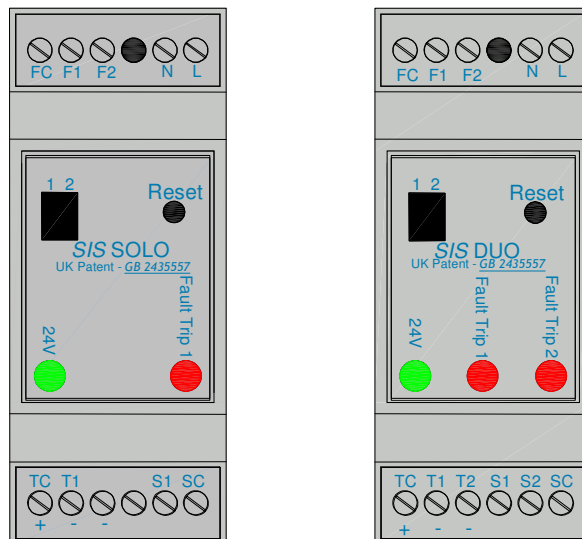
## Operation

In normal operation the units will have a steady green led lit to show the 24v supply is present, and the red led will flash once every 2 seconds which indicates the unit is working correctly. The red led will be lit continuously when a sensor has been tripped.

Therefore, as a quick check the red LED or LEDs if it is a Duo should flash every 2 seconds if the system is working correctly. If there are multiple flashes this may indicate a fault, please refer to the fault table in the manual.

The operation of the system can be easily checked by disconnecting a sensor connection, the corresponding MCB will trip, and the red led will be lit. It will now not be possible to reset this MCB.

By replacing the sensor connection, the unit can then be reset and then the MCB, of course this test does not test the wiring and sensor. The preferred test would be to activate the sensor which would prove the whole system.



## Fault

In the event of a strike the pillar should first be checked to ensure the system has tripped, once this has been determined the damaged structure can be removed and the cabling made safe.

If there is more than one structure on the circuit the sensor cabling will need to be shorted out until the equipment is replaced. With the sensor cabling shorted out the SOLO unit can be reset and the MCB reset putting the other structures back on.

## Maintenance

The SOLO units themselves require no maintenance; however, the system can be used to provide secure isolation. If the sensor is disconnected at the structure the power will be turned off and cannot be switched back on allowing safe maintenance to take place. Of course, personnel must also test the supply has gone off with a test lead. Once the maintenance operation is complete the sensor can be refitted, and the SOLO unit can be reset followed by the MCB.

