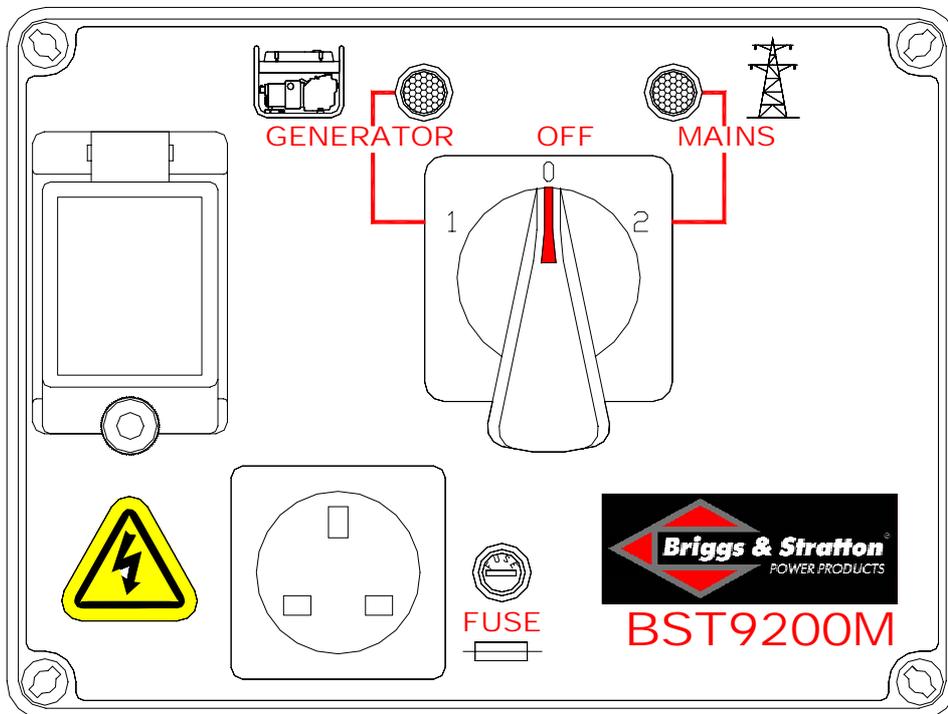




BST9200M

Manual Transfer switch



BST9200M

Installation & Operating Instructions

Briggs & Stratton Power Products

Road 4,
Winsford Industrial Estate,
Winsford,
Cheshire, UK.
CW7 3QN
Tel: +44 (0)1606 862182
Fax: +44 (0)1606 862201



Contents.

Introduction	2
Installation instructions	3 - 4
Operating instructions	5
Safety rules	5
Warranty	6

Introduction.

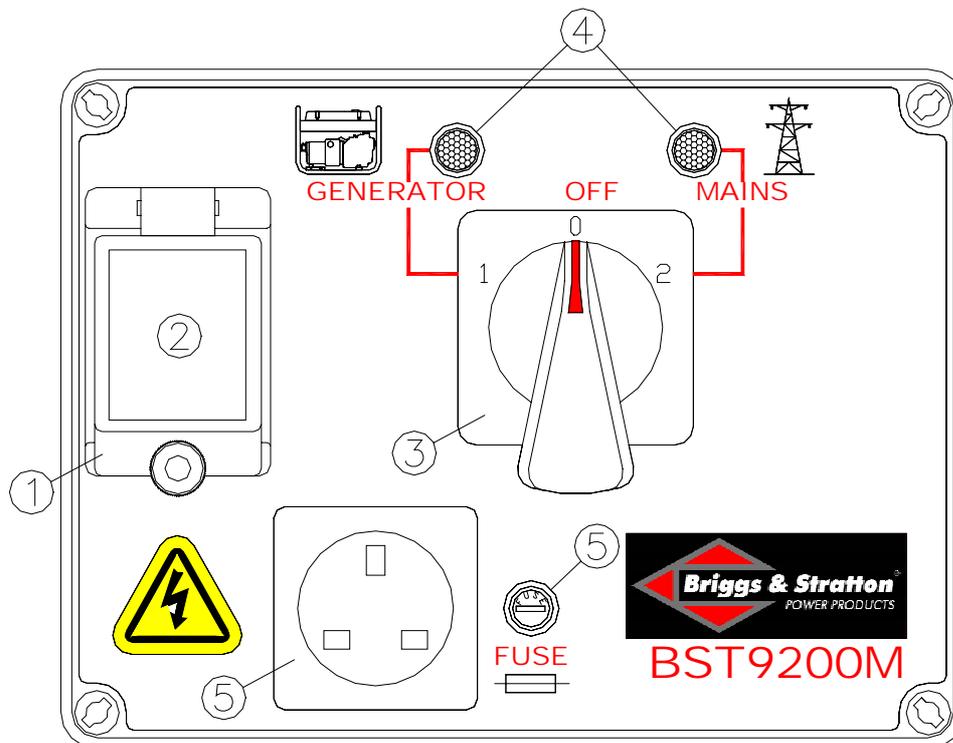
Congratulations for choosing a Briggs and Stratton quality product.

The BTS 9200M manual transfer switch provides a safe and convenient method of connecting your portable generator as an emergency power supply to your premises.

In the event of mains supply failure (Power-cut), you will be able to keep essential loads like lights, central heating pump and fridge/freezer operating from your generator.

Description.

The switch is installed between the mains supply meter and the consumer unit. This involves isolating the mains supply, and must therefore only be performed by a qualified electrician.



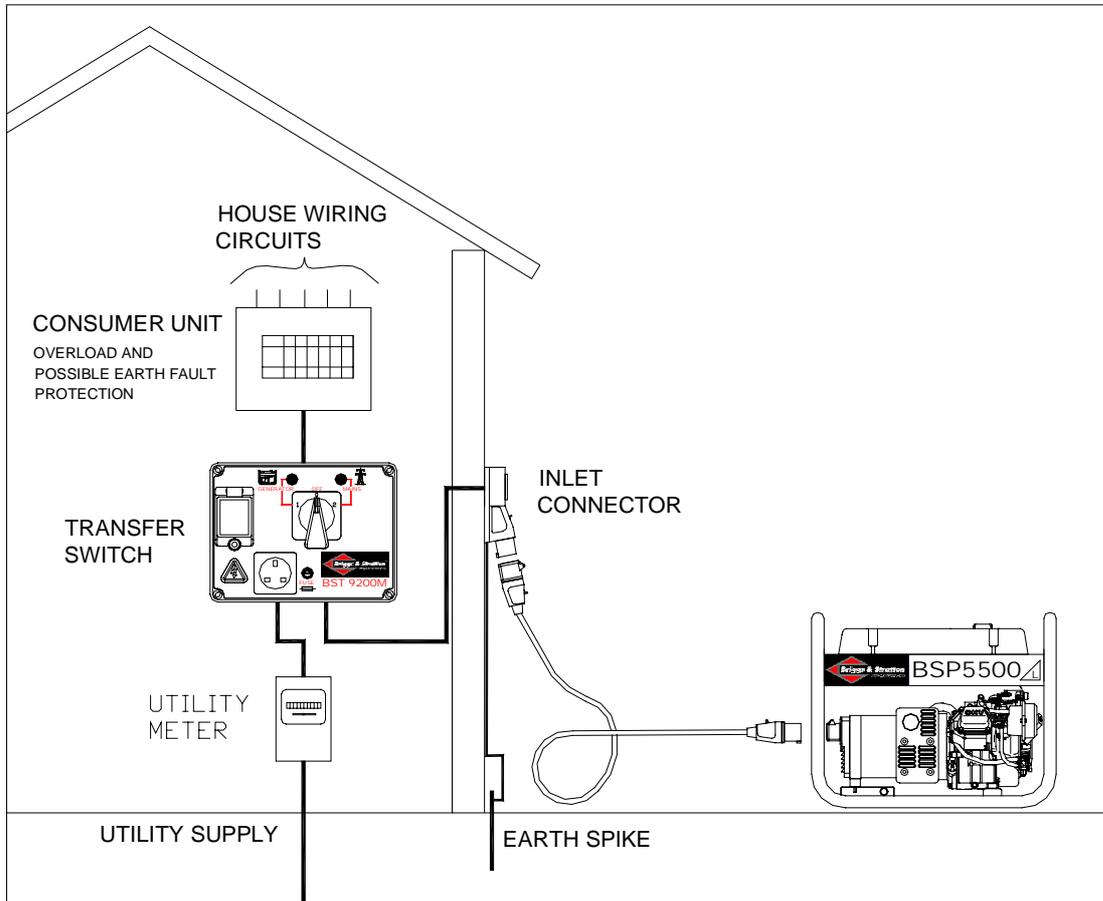
1. Inspection window.
2. Residual Current Device (RCD). This protects against dangerous faults when connected to the generator.
3. 100A change-over switch. Connects the house either to the mains supply or to the generator.
4. Indicator lamps. These illuminate when the corresponding supply is available. This gives an indication when the mains supply has been restored.
5. Auxiliary 230V/13A outlet. This is ideal for supplying a rechargeable torch. In the event of a power-cut, the torch would illuminate, which could then be used whilst starting the generator.
6. Fuse: To protect the auxiliary outlet from overload.



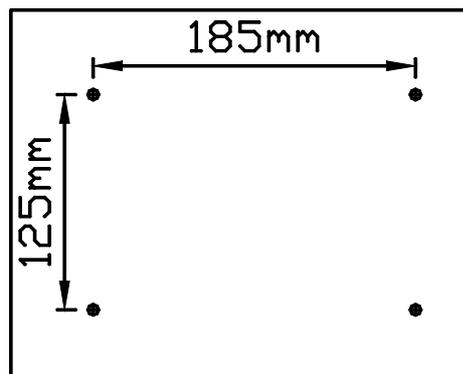
BTS 9200M Manual Transfer Switch Installation Instructions.

Warning!: Installation must only be performed by a qualified electrician.

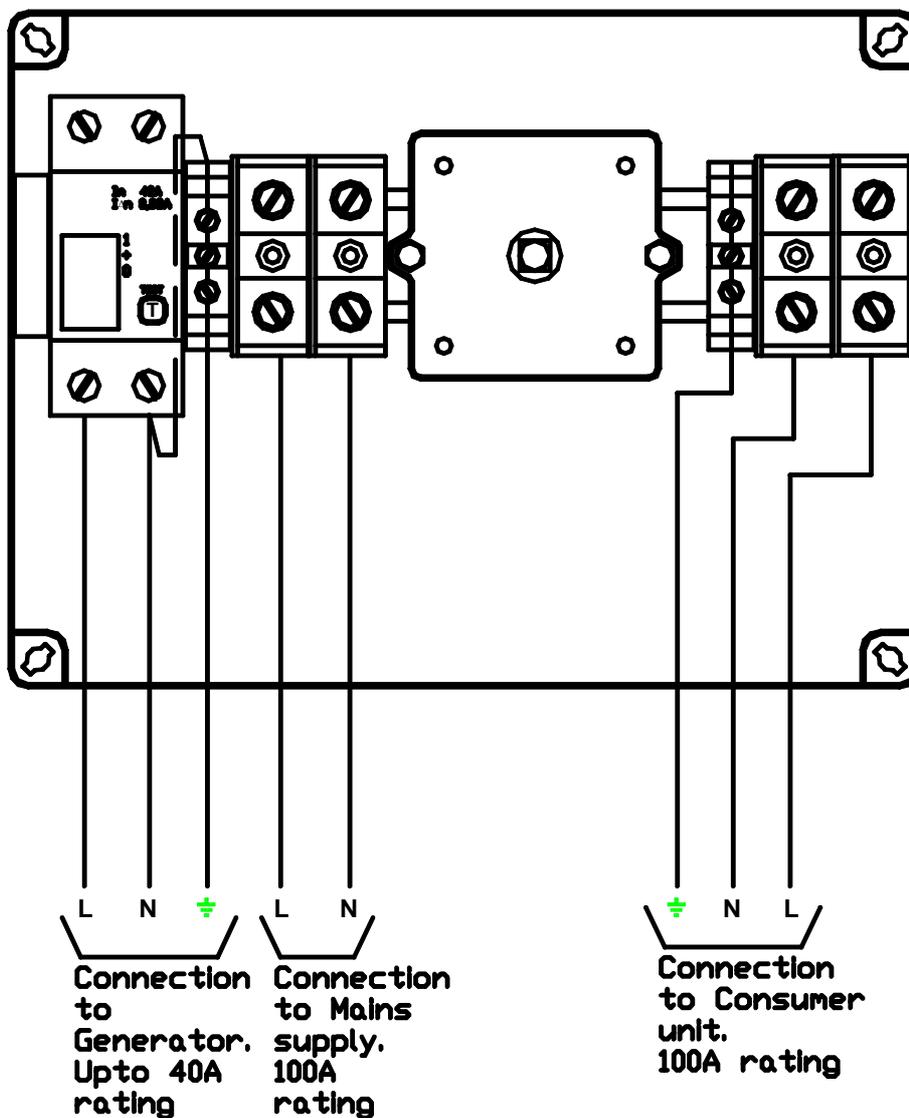
Schematic.



1. Identify convenient mounting position between the consumer unit and supply meter.
2. Drill and plug wall to mount BTS9200M switch



3. Fix BTS9200 M securely to wall.
4. Isolate mains supply to meter.
5. Disconnect 'meter-tail' supply wires from consumer unit.
6. Re-route these into BTS 9200M through suitable glands/ grommets.
7. Fit new 'meter-tails' to consumer unit and route into BTS 9200M.
8. Route earth conductor from consumer unit into BTS 9200M.
9. Route suitably rated 3-core cable from BTS 9200M to outside of building, where the generator is to be sited. (Observe safety rules about safe generator operation)
10. Connect cables to BTS 9200M as shown below.



11. Mount a suitable appliance inlet connector for the generator to be connected to.
12. Ensure the installation has a low impedance local earth connection (TT system) in accordance to current National wiring regulations.
13. Produce suitable connecting cable to connect the generator outlet to the appliance inlet.



BTS 9200M Manual Transfer Switch Operating Instructions.

Operation.

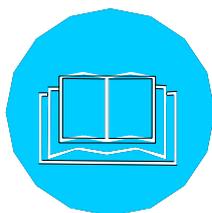
- ❑ During normal operation from the mains supply, the switch is in position 2 (MAINS). The amber indicator lamp is illuminated.
- ❑ If the mains supply fails, the amber indicator lamp will go out.
- ❑ The generator should then be started following instructions and safety rules in the Generator's owner's manual.
- ❑ The generator needs to be connected with a lead to the appliance inlet. Refer to proposed installation schematic in Installation section. (lead and appliance inlet not supplied with BTS9200M)
- ❑ The green indicator lamp will illuminate if the generator is operating correctly.
- ❑ Press the RCD test button (green light should go out). Restore connection by resetting RCD breaker. If the breaker fails to trip or reset, or if the green light does not illuminate, then there is a fault with the generator or connection. Refer to generator manual for possible causes.
- ❑ Before switching the property to the Generator, it is important to ensure that the total load of the house will not exceed the output rating of the generator. It is recommended to isolate all circuits other than the lighting circuits in the property. This can most easily be achieved by removing fuses or switching circuit breakers in the consumer.
- ❑ Now turn the switch to position 1 (GENERATOR) to connect the house to your generator.
- ❑ Additional loads can now be introduced up to the generator rating. Refer to generator data plate or owner's manual for generator rating.
- ❑ Care must be taken to avoid overloading the generator when using high power loads. Examples of high power loads are: Immersion heater, Electric shower, Electric kettle, Electric ovens/hobs, Electric heaters etc.
Try to limit the load to essential items only.
- ❑ Once the mains supply is restored, the amber indicator lamp will illuminate.
- ❑ Now transfer the property back to the mains supply by switching to position 2 (MAINS.)
Note: There will be a momentary loss of supply during the changeover, whilst the switch is in position 0 (OFF). Therefore, some appliances will reset and computer data may be lost.
- ❑ Follow the generator stopping procedure.
- ❑ Now normal loading can be resumed.

Safety



Warning! Danger of electrocution.

BTS 9200 M switch is connected directly to the mains supply. Installation / repair must only be performed by a qualified electrician. Do not open.



Read and follow safety rules and operating instructions relating to generator operation. Refer to Generator Owner's manual.

One Year Limited Warranty.

Briggs & Stratton Power Products (BSPP) warrants to the original purchaser that this Manual Transfer Switch will be free from defects in material and or workmanship for a period of one year from the original date of purchase. Any equipment that the buyer claims to be defective in material and or workmanship must be examined by a licensed electrician or qualified professional who is familiar with local electrical codes and regulations. BSPP will, at its option, repair and/or replace any part which is found by BSPP to be defective under normal use and service. All transportation costs under this warranty, including return to the factory, are to be borne and prepaid by the purchaser.

This warranty does not apply to:

Transfer switches NOT installed by a licensed electrician or qualified professional.

Cost of installation.

Travel expenses of individuals performing repairs.

Failures due to accident, misuse, abuse, negligence or improper installation.

Incidental, consequential, or indirect damages caused by defects in material or workmanship, or any cost associated with the delay in repair or replacement of the defective parts.