

63A Rotary
Isolator Switch

10mm cable (minimum)

ELECTRIC   
COMBI BOILERS CO.

Consumer
unit

Model: SMART.BPL

Suitable for bathtub, shower & sink/basin taps



Minimum clearance
300mm (bottom)

Hot water

Discharge valve
3 bar (Heating)

Discharge valve
6 bar (Hot water tank)

Filling
Loop

Heating
Flow
(Outlet)

Heating
Return
(Inlet)

Central Heating

(1 pipe or 2 pipe system)

- Radiators
- Underfloor heating



Mains cold water
Maximum
2 bar pressure



Dedicated
63A RCD
50A MCB



Installation tips

- ☐ Install filling loop on inlet (return) pipe.
- ☐ Install scale reducer, if the water hardness is medium/high.
- ☐ Install central heating filter. (non-bypass filter recommended)
- ☐ Install a pressure reducing valve if the cold water mains pressure to the boiler is more than 2 bar. Set the pressure reducing valve between 1.5-2.0 bar.
- ☐ Ensure to set correct flow rate of boiler after installation .
(Model :C = 6-8Lt/min : BPC/BPL = 10-13Lt/min)
- ☐ Ensure to leave clearance as per the boiler model.
- ☐ Ensure to install dedicated 63A RCD & 50A MCB.
- ☐ Ensure to have ventilation for the boiler in the cupboard or cabinet.
- ☐ Ensure to install a minimum 10mm cable from the consumer box to the boiler via isolator.
- ☐ Ensure to use spade connectors provided with the boilers for the 10 or 16mm on the mains connectors on the boiler. (SY & Flexi cable only)
- ☐ Ensure to use a relay, if using 240v/Switch Live to T & A connection in the boiler.
- ☐ Ensure to purge the system & boiler before running heating & hot water.
- ☐ Use surge protection for the boiler to save the appliance from frequent power cuts.
- ☐ Due to logistics and handling of the boiler during installation this could lead to minor leaks in the connections. Ensure to tighten the connections or replace with new washers or seals to fix the leak.

**Scan code to see tips on
our  YouTube channel**



Warning & Caution

- Do not connect 240v/Switch Live or low voltage on T & A connection in the boiler.
- Do not turn the boiler on without the heating system & hot water tank (applies to BPC & BPL only) filled with water.
- Do not use cable less than 10mm for the boiler.
- Do not use isolator switch less than 63A for the boiler.
- Do not use MCB rated less than 50A for the boiler.
- Do not share the RCD of the boiler with other MCB's.
- Do not leave the boiler on during power cut. Turn it back on only when the power is back.
- If leaving the boiler in ECO & Summer mode, please ensure to run the boiler central heating for at least 10 minutes once a week to avoid boiler circulating pump stuck issue.

Warranty terms & conditions

The boiler will be covered for 2 or 5 years subject to the following conditions:-

- Boiler warranty card (supplied with boiler) must be filled and returned to register warranty by post or email within 14 days from receiving boiler. Failing in doing so will not cover the boiler.
- The warranty will start from the date of purchase unless agreed/stated different by Electric Combi Boilers Company.
- Boiler must be fitted as per the manufacturer's guidelines and this document. If the appliance is installed without mentioned guidelines warranty will void.
- Boiler should have a central heating filter installed at the time of boiler installation.
- Boiler should have a limescale treatment installed at the time of boiler installation in hard water areas.
- Boiler should be serviced on the 2nd and 4th year of installation date. Failing to provide service job sheet will void the extended warranty. This should be carried out by the company engineer or the installer with training certificate for these boilers.
Service cost per boiler – (2nd year - £150 + VAT : 4th year - £150 + VAT)
- It is the responsibility of the person managing or owning the boiler to book the service call for warranty extension
- Boiler should be connected to the internet for remote fault finding.