

SmartTap
Greener Safer Smarter

INSTALLATION GUIDE

Welcome,

Thank you for using SmartTap – an advanced digital shower system. Careful adherence to the installation procedures and maintenance practices set out in this manual will ensure many years of outstanding performance from your new shower.

Please note,

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form by any means, electronic, mechanical, photo reproductive, recording or otherwise without the prior written permission of SmartTap Ltd.

This guide is subject to periodic review, update, and revision. Customers are cautioned to make sure that the guide's information applies to the system they are using.

This product performs as described in this guide when assembled, operated, maintained, and repaired in accordance with the instructions provided. Do not repair this product or any of its parts other than in accordance with written instructions provided by SmartTap Ltd.

Technical Specifications

Absolute Maximum Ratings

Working pressure	1 – 9 bar
Overpressure	16 bar
Burst pressure	35 bar
Hot water temperature	70 C°
Ambient temperature	5 – 60 C°
Relative humidity	90% non-condensing

Recommended Conditions

Working pressure	2 – 5 bar
Hot water temperature	50 – 65 °C
Cold water temperature	10 – 25 °C
Set point temperature	Cold water or 35 – 45°C

Performance at Recommended Conditions

Temperature accuracy	±0.5°C
Flow accuracy	±5% of Full Scale
Hydraulic performance	Complies with EN1111 standard

Miscellaneous

Supplied user interface cable length	9m
Operational voltage	100 – 240V ~ 50 – 60Hz
Standards	Safety: EN 60335-1 :2012, EN60335-2-105:2005 EMC: EN 55014-1, EN 55014-2 CE, RoHS, WRAS

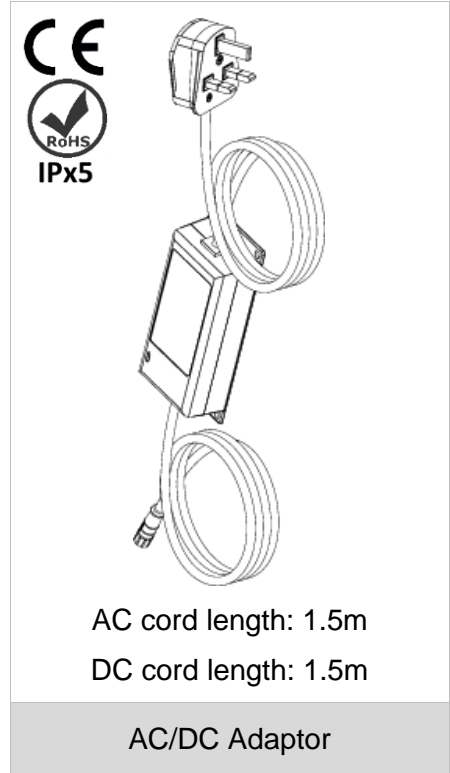
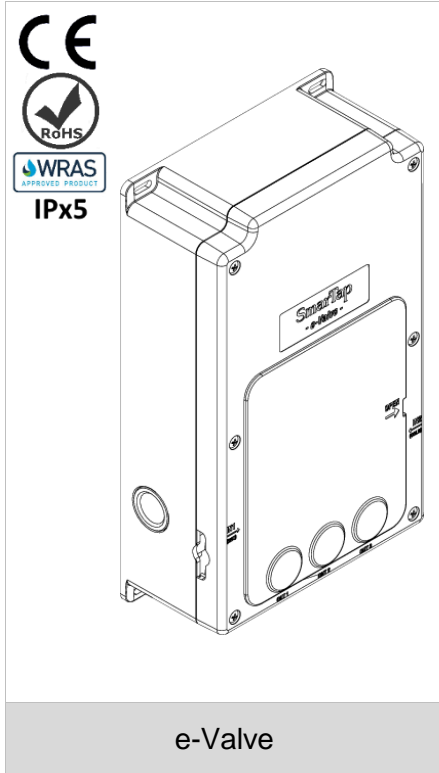


WARNING

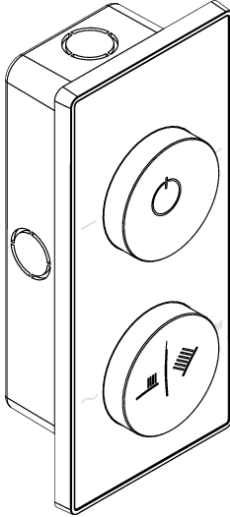
DO NOT USE THE SYSTEM IF THESE CONDITIONS ARE NOT MET.

Package Contents

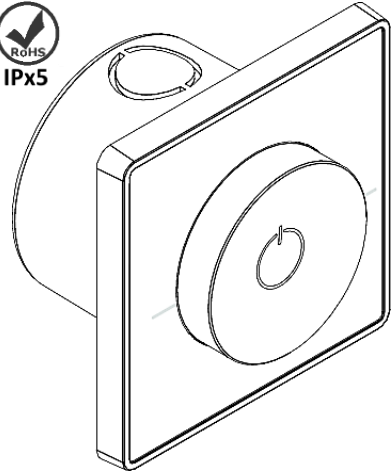
The SmartTap Digital Shower system package includes the following components:



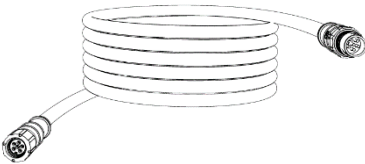
SmartTap



Two Dial controller

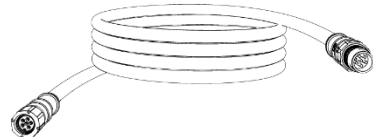


(If applicable) One Dial controller



- 6 pin interface cable 9 m length
- IP67 compatible

Two Dial controller cable



- 6 pin interface cable 7m length
- IP67 compatible

(If applicable) One Dial controller cable

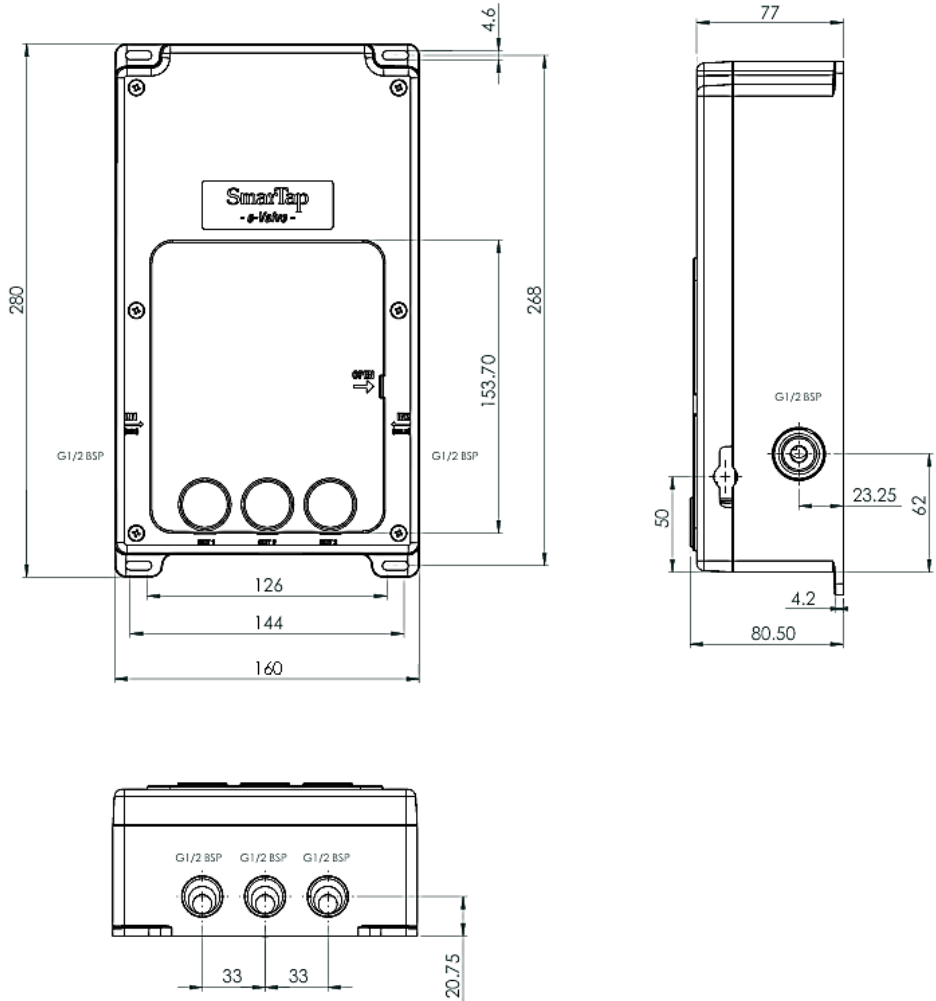
WARNING



IF THE SYSTEM PARTS SHOW ANY KIND OF MECHANICAL DAMAGE, DO NOT USE THE SYSTEM AND CONTACT A SMARTAP REPRESENTATIVE FOR SERVICE.

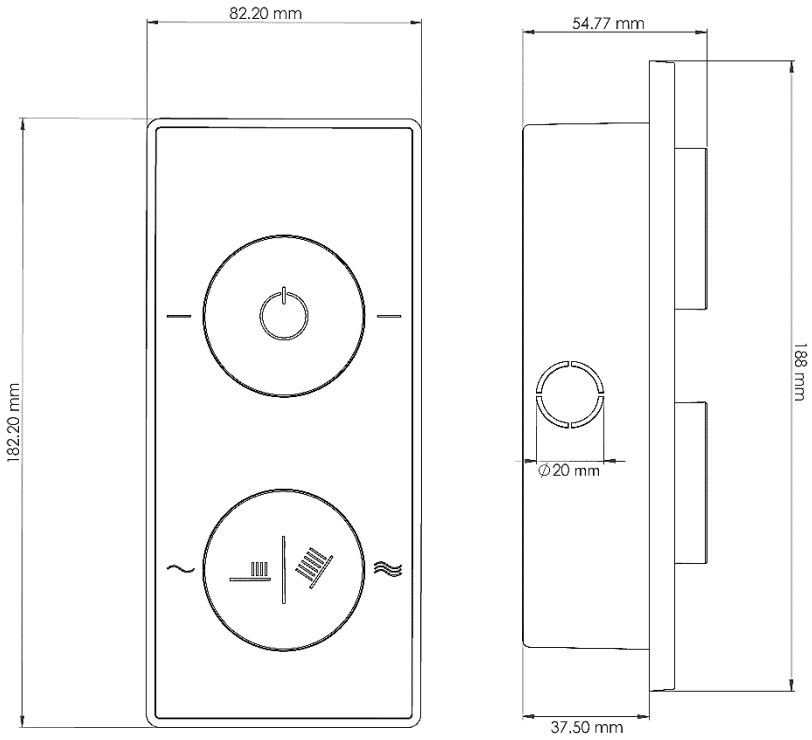
System Dimensions & Mechanical Specifications

e-Valve



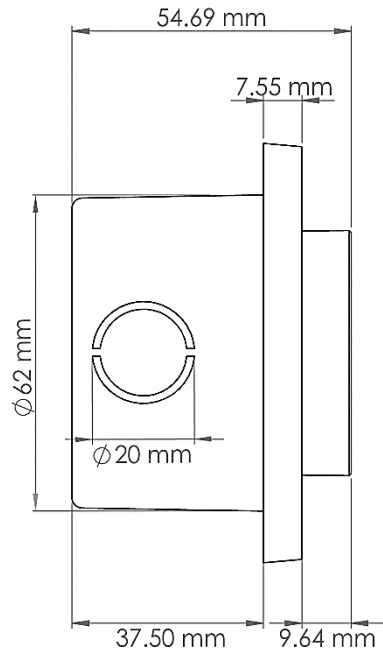
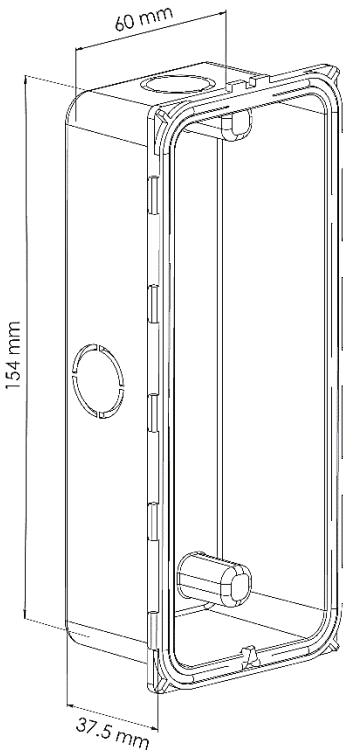
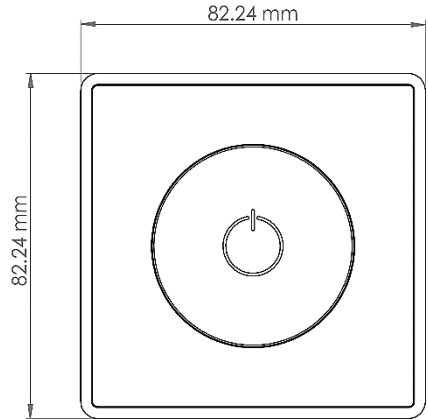
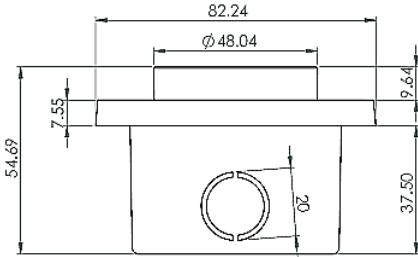
SmartTap

Two Dial Controller



SmartTap

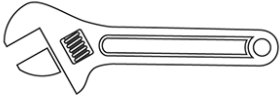
One Dial Controller



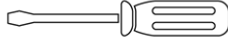
SmartTap

Tools

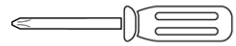
For installation of the SmartTap digital shower product, you will need the following tools:



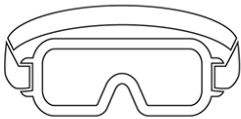
Adjustable wrench



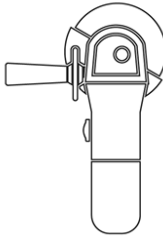
Flat screwdriver



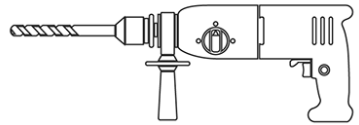
Phillips screwdriver



Glasses



Grinder

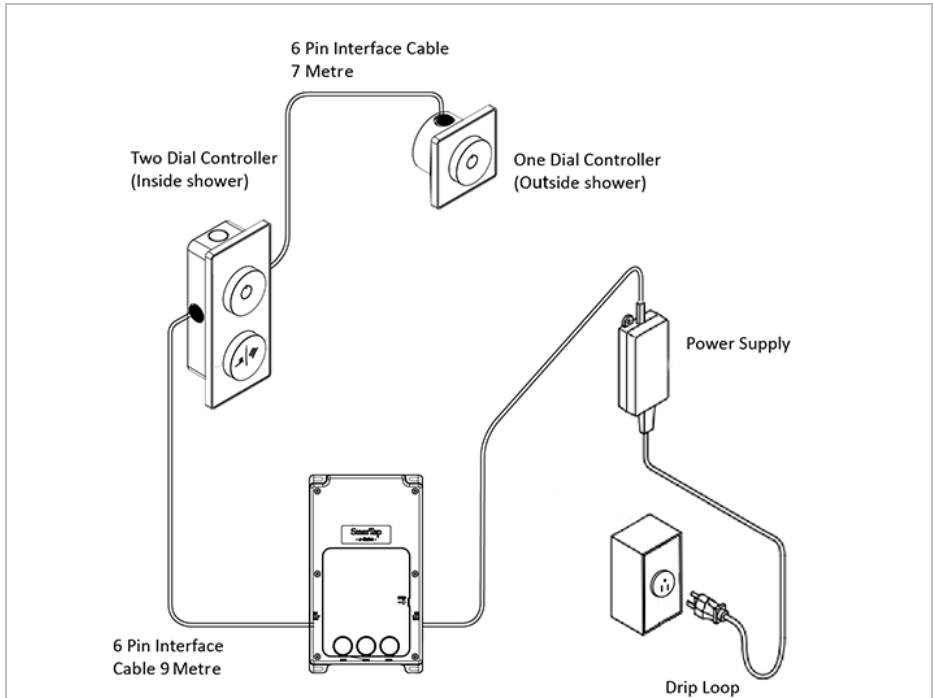


Drill

- (If Applicable) For the One Dial controller, use a 62mm hole saw.

Plan System Layout

Determine the locations of all required components before beginning installation.



1. Prepare the installation location for the e-Valve.



NOTE

LEAVE EXTRA 15 CM SPACE ON EACH SIDE FOR FUTURE CABLE CONNECTIONS.

2. Prepare installation location for controllers.
3. Prepare installation location for the AC/DC power supply.



CAUTION

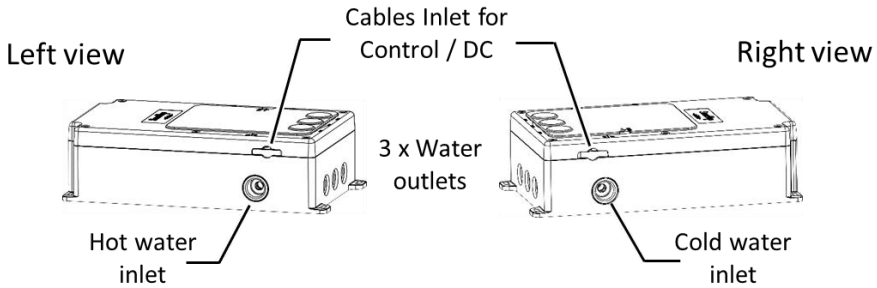
FOR VERTICAL INSTALLATION: THE POWER SUPPLY MUST BE INSTALLED ABOVE THE E-VALVE.

Step 1 Prepare locations for e-Valve unit ,controllers and Power supply

Prepare for Installaiton

e-Valve Unit Terminals

Water inlet and outlet connectors are located on the sides of the e-Valve unit.



Pipework Considerations



WARNING

IF A BOOST PUMP IS USED TO FEED THE E-VALVE, MAKE SURE THAT THE SAME PUMP FEEDS BOTH HOT AND COLD INLET. IT IS STRICTLY PROHIBITED TO FEED ONLY ONE OF THE E-VALVE INLETS BY A BOOST PUMP, OR TO FEED ITS INLETS WITH TWO SEPARATE BOOST PUMPS.



NOTE

USE PIPEWORK OF A SUFFICIENT DIAMETER TO OBTAIN THE FLOW RATES SUPPORTED BY THE E-VALVE. PLEASE REFER TO HYDRAULIC CHARACTERISTICS FOR THE SUPPORTED FLOW RATES.