DS114

# DOLPHIN WALL PLATE MOUNTED INFORM (SMART) TAP

INSTALLATION AND MAINTENANCE GUIDE

PRODUCT CODES

| | |
|---|---|
| DS114.150 | › 150mm Projection |
| DS114.175 | › 175mm Projection |
| DS114.200 | › 200mm Projection |
| DS114.225 | › 225mm Projection |

DS114
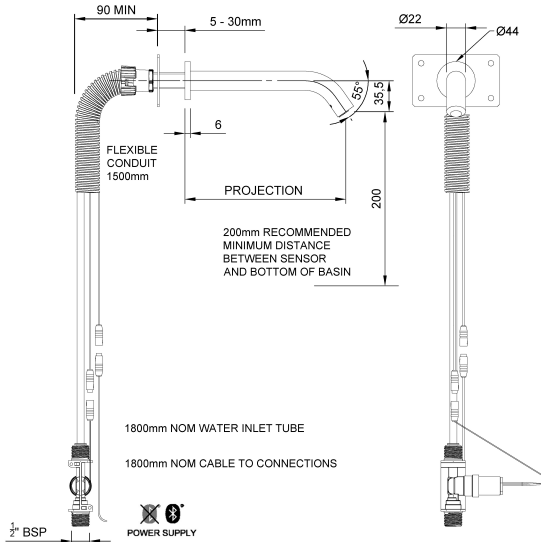


## T E C H N I C A L   D A T A

› Dolphin Wall Plate Mounted InForm (SMART) Tap

› Manufactured from high-quality, highly durable 1.4401 (316) Marine grade stainless steel.

› Self-Monitoring Analysis and Recording Technology (SMART) allows the Facilities Manager to connect point to point via the Dolphin SMART App when used with the optional Bluetooth Adaptor (Sold separately -Order product code 25148 )

› Infra-Red Touch Free Tap   for ultimate hygiene   prevents cross contamination Sensor mounted in end of spout

› Designed to be front mounted for when rear access installation is not possible

› Flow rate – 3.0 litres/minute with the standard fitted flow regulator (fitted adjacent to solenoid) at any pressure between 0.5 and 6.0 bar

› 1.0 - 4.0 litres/minute flow rates available to special order – please enquire

› Water Supply: Single inlet cold or pre-mixed   a TMV2 or TMV3 thermostatic mixing valve is recommended for premixed applications

› Maximum operating water temperature 60°C

› Power Supply: *

› Nominal Current: Less than 1mA (Less than 25mA with Bluetooth)

› Nominal Power: Less than 1W

› Security Time can be adjusted via the App Default 20 Seconds (60 Seconds max)

› IP68 Connector

∗ See page 4 for power supply and other options

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| | |
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| DS114.150 | › 150mm Projection |
| DS114.175 | › 175mm Projection |
| DS114.200 | › 200mm Projection |
| DS114.225 | › 225mm Projection |

#### Coding Explained

**Style**

DS114 55⁰ Bent Spout - Wall Mounted
DS11X.XXX.X

**Projection**

150/175/200/225mm
DS11X.XXX.X

**Finish**
1 Brushed Satin
2 Mirror Polished
3 PVD Brushed
4 PVD Mirror
5 Powder Coated
DS11X.XXX.0

**Colour**
Suffix to end of code
(Number allocated by Dolphin Solutions)

**Example Coding** DS114.150.1

55⁰ Bent Spout
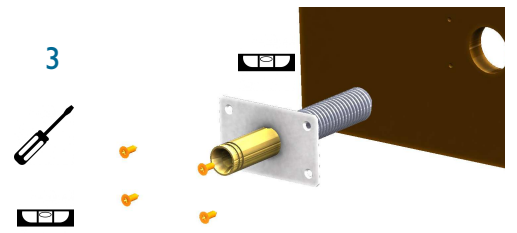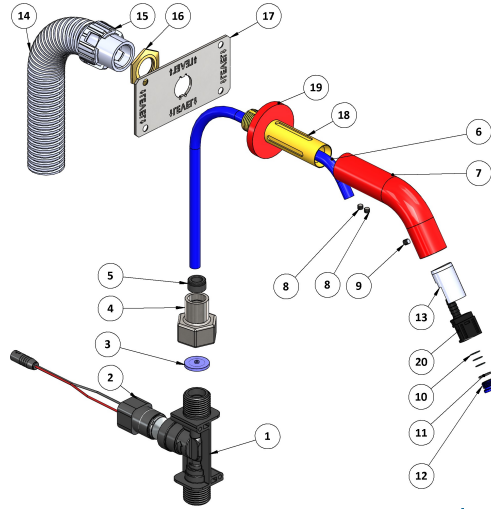150mm Projection
Brushed Satin Finish

**Options**
Bluetooth
PVD
Powder Coating

2

## PACK CONTENTS

1   Solenoid Adaptor Housing
2   Solenoid
3   Washer Flow Regulator
4   Flow Regulator Housing
5   1/2 Cartridge
6   8mm Tube
7   Body
8   M4x3 Grub Screw
9   M4x4 Grub Screw
10  Mesh
11  Oring
12  Nozzle
13  Sensor Assembly
14  Conduit
15  Conduit Adaptor
16  Nut
17  Wall Plate
18  Tail
19  Rosette
20  Nozzle Housing
    Key

? Order 25148 separately

Standard

Bar
0.5 min
6.0 max

°C
60 ✓

3L/min

## PRE INSTALLATION

› Please check that all the components in the list above are present and that they are in good condition before installation. If any components are missing contact Dolphin Solutions.

### ⚠ WARNING

› Highly reflective surfaces directly beneath the sensor of this product, in particular polished finish basin wastes/strainers, will cause false activation of the infrared sensors and can result in malfunction. We recommend Satin or Matt finish products which can be found on our website.

› Sitting water may also cause the tap to activate

› All Plumbing and Electrical installation must be carried out by a qualified person and in accordance with applicable codes and regulations.

› Do not kink the water supply hose.

## INSTALLATION

1   Flush pipes thoroughly before and after installation

2   Ø40

3   Fix the wall Tail/Mounting Plate assembly with 4 screws supplied. IMPORTANT: Slot to be on underside of tail. Ensure wall plate is level as this dictates tap angle and rotation.
Protect Brass Tail with low tack tape / other suitable method
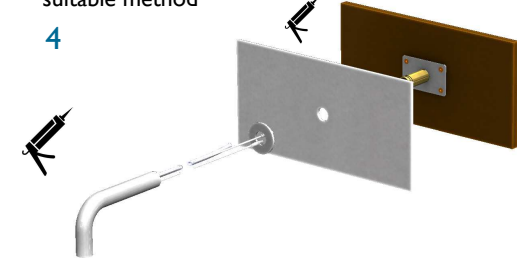
4   Fit Splashback with adhesive (or other fixing method as required) leaving mounting assembly protruding (Ø21min hole)

Insert in order - plugged cables and then pipe from the tap into mounting assy and feed through. **DO NOT** Remove connectors from cable or pipe ends until after they have passed through the conduit.
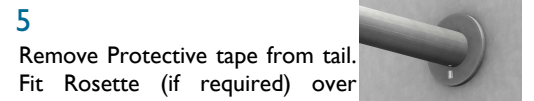
5   Remove Protective tape from tail. Fit Rosette (if required) over mounting assembly. Slide tap body onto mounting assy and secure with grub screw from beneath

6   1/2" BSP
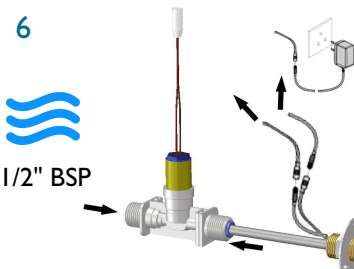
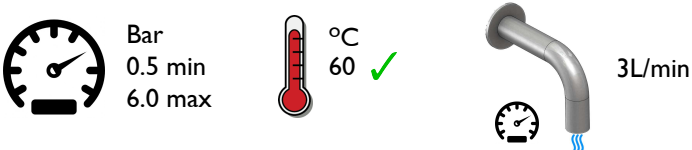7   › Switch on power supply

› The sensor is self adjusting.*

*Further adjustments can be made by purchasing the Bluetooth Adaptor and downloading the App

8   Open hot and cold water supply and check that connections are watertight.

## MAINTENANCE

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives or the like. Use of any prohibited cleaning or maintenance products or substances could damage the surface of the tap. For surface cleaning of tap use ONLY soap and water then wipe dry with a clean soft cloth. Protect taps from splattering of harsh cleansers when cleaning surroundings.

OPTIONS

## POWER SUPPLY OPTIONS

### UK MAINS ADPATOR PRODUCT CODE 25147
(Other Adaptor pin and power supply configurations
available, see below for part numbers):
› Input voltage: 100 – 240V AC +/- 10%, 50 - 60 Hz
› Output voltage: 6.75V DC + 0.15V/ -0.35 V
› Secondary current: 0 - 350 mA DC
› Buffer capacitors: The adaptor secondary contains 3 buffer
capacitors (necessary to close the solenoid valve in case of power
outage):
- 2 x 2200 µF,
- 1 x 100µF
Certifications: EN 60335-1, EN 60950-1
› 1m Cable

### HARDWIRE TRANSFORMER PRODUCT CODE 25240
› Input voltage: 100 – 240V ± 10% 50-60 Hz ± 3 Hz
› Output voltage: 6.6V DC ± 5%
› Secondary current: 200 mA DC
› Buffer capacitors: one buffer capacitor 4700 µF (necessary to close
the solenoid valve in case of power outage)
Certifications: EN 60335-1, EN 61558-2
› 1m Cable (Transformer to Tap), 2m Cable (Transformer to Mains)

### BATTERY PACK PRODUCT CODE 25241
› Requires a 6V lithium battery (CR-P2, approx. 1.500mAh) which
has a lifetime of 200.000 switching cycles or 3-5 years depending on
user frequency.
› 100mm Cable (Approx)
› Important note - the battery unit can't be used in combination
with the Bluetooth adaptor.
The battery unit contains the CR-P2 battery as delivery content.
The housing enables a fixation on wall by using the mounting clips
(part of the housing but screws are not included) or the rear affixed
Velcro tape

Power Supply Options:
25147 UK Mains Adaptor
25428 EURO Mains Adaptor
25240 Hardwire Transformer
25241 Battery Pack

### BLUETOOTH ADAPTOR PRODUCT CODE 25148

*Bluetooth*® version 4.0.

The **current version** of the app required for using the system **must**
be installed on the control unit in advance. The App is available
for free in the iTunes Store (requires an Apple account) and the
Google Play store (requires a Google account).

For operation under adverse environments, in buildings / rooms
with reinforced concrete walls, steel and iron frame, or near of
obstructions (eg furniture) of metal, the Bluetooth reception can
be disturbed and interrupted.

***Bluetooth*®:**

| | |
|---|---|
| Power consumption: | Less than 25mA |
| Output: | *Bluetooth*® - Class 2 |
| *Bluetooth*® - version: | 4.0 |
| *Bluetooth*® - Transmission distance: (depending on the environments) | about 10m |
| Automatic safety shut-off:(10/20/60 seconds - adjustable) | 20 s |
| Run-on time (0 - 10 s adjustable): | 1 s |
| Detection Range - Levels 1 to 10 (10 = 120mm approx) | 10 |

4