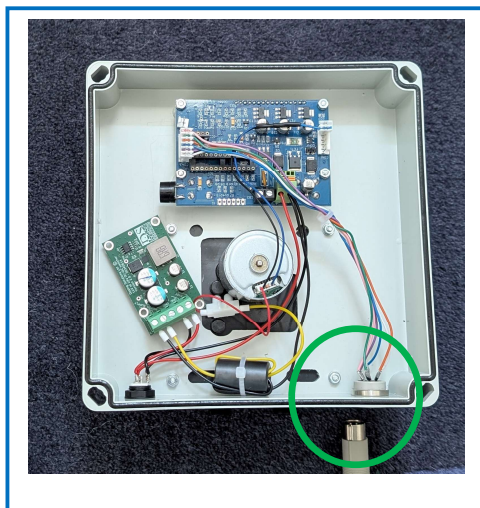


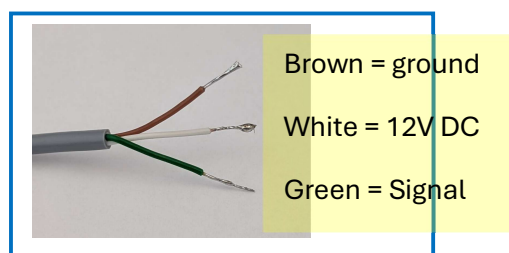
Installation and Use of Sensor Loom-3

Traditionally, flow sensors and water meters have been connected to Select dosers (both the 640 and 380 Series) with a DIN plug and socket arrangement:



As from May 2025, we need to replace this connection system as the connection pieces of a sufficiently high standard are no longer manufactured.

Flow sensors for both new dosers, and as supplied as replacements, will now be shipped with stripped cable ends which have been tinned:



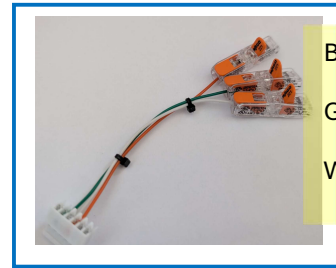
New dosers will be supplied with a gland. If the gland is not already fitted, this needs to be placed in the hole at the bottom of the doser and fixed in place with the nut provided:

When a flow sensor is supplied as a replacement part, a gland with extra fittings will be supplied:



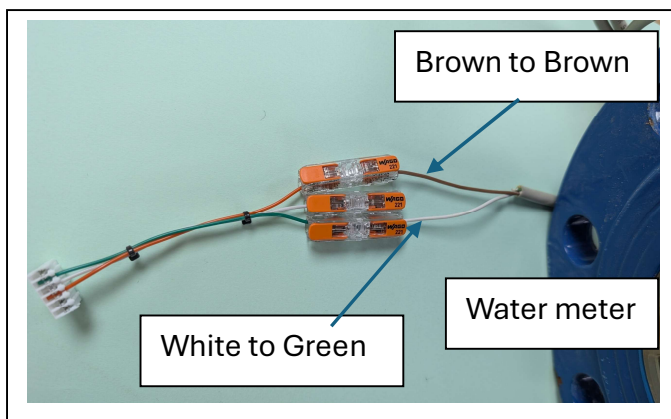
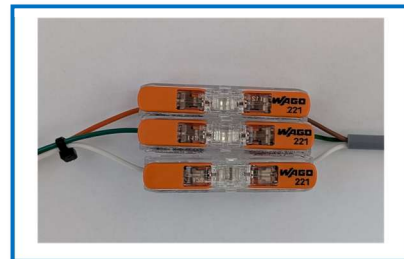
The white washer is needed as the pre-formed hole for the DIN socket is too large to comfortably accept the gland. Again, the gland needs to be installed as shown above.

New dosers will be supplied with a modified internal Sensor loom. The new Sensor Loom-3 has just 3 wires (White, Green and Brown/Orange). As part of the Sensor Loom-3, there are three lever connectors. Lift the levers at the non-connected ends.



Brown/Orange = Ground
Green = Signal
White = 12V DC

After feeding the sensor cable through the gland, push each wire end into the corresponding colour lever connector (White to White etc.) and close the lever. Ensure that the wire is firmly held.



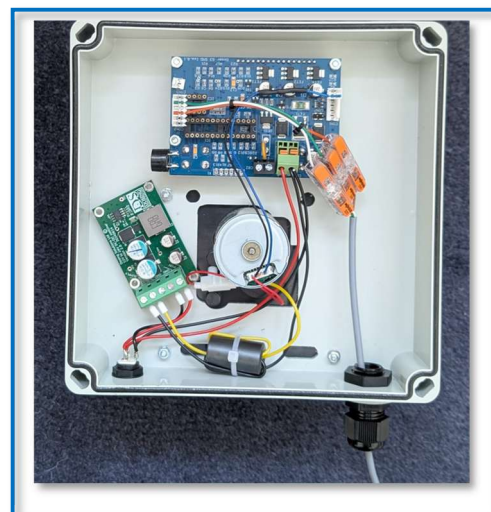
Water Meters – The

connection sequence is a little different:

Brown from water meter (**Ground**) connects to Brown in the lever connector

White from water meter (**Signal**) connects to **Green** in the lever connector

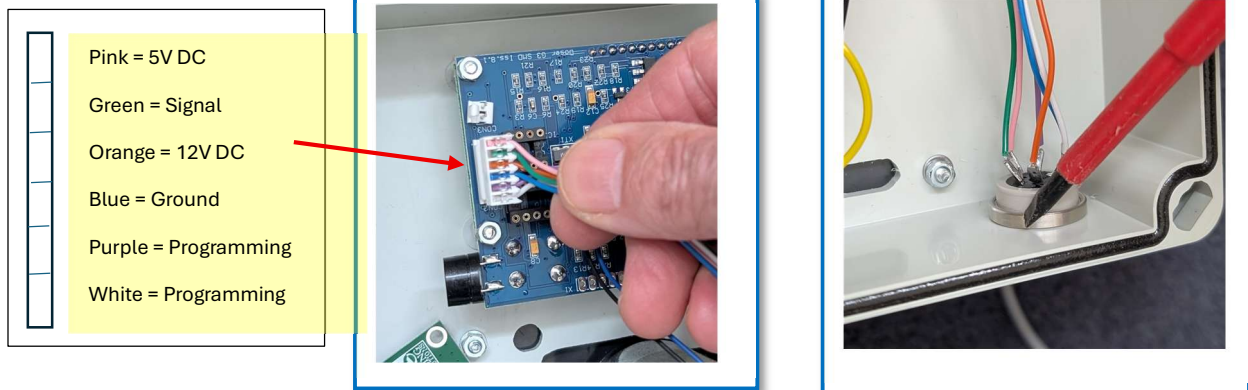
The finished sensor connection should look like this:



Remember to tighten the gland to seal the doser from the ingress of moisture and dirt.

When an existing flow sensor is being replaced, the old 6-wire internal sensor loom will need to be removed and replaced with the new Sensor Loom-3.

Shown below, the white loom plug pulls off the PCB. The DIN end is unscrewed using a small screwdriver in the notches in the retaining ring:



DW

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