# 1. WARNINGS AND RECOMMENDATIONS

## 1.1. Storage

Extension modules:

- should be stored in a place where the temperature is between -20° C and +65° C and the relative humidity is between 5% and 95%.
- Should be protected from moisture.

## 1.2. Symbols used in this document

**ATTENTION:** Failure to follow these instructions may cause damage to the facility or other items.

**DANGER :** Failure to follow these instructions may result in electric shock.

## 1.3. Safety instructions

Always turn off the boiler and close the gas supply before doing any work on the boiler.

## 1.4. Regulatory installation conditions

The installation and maintenance of the unit must be performed by a qualified professional in accordance with the regulations and standard good practices in force, including national and local standards pertaining to low voltage electrical installations.

## 1.5. Environmental compatibility

This device contains electrical and electronic components that should not be thrown in the garbage.
Local laws in force must be obeyed.

# 2. SUPPLY

Accessory AVS 75 is made up of:

- 1 extension module (with terminal heads)
- 2 fixing screws (M4 x 16) for mounting CONDENSINOX boilers equipped with a NAVISTEM B3000.
- 1 BSB bus communication web
- 1 power bypass cable
- 1 QAD36 surface contact sensor

# 3. INSTALLING THE EXTENSION MODULE

**DANGER:** **Prior to any work, ensure that the electrical supply is cut off.**

## 3.1. On VARMAX

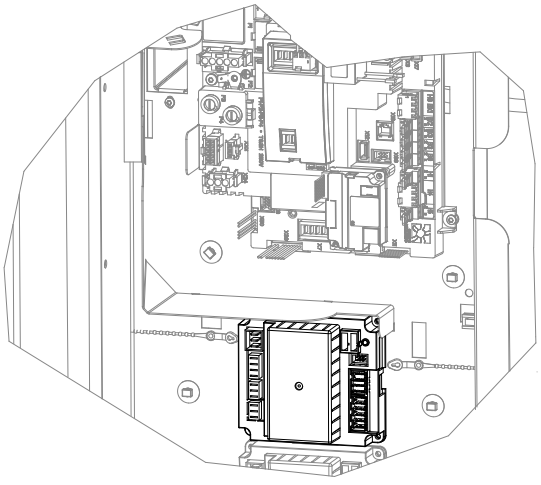
The extension module is installed on a DIN rail in the boiler.

- Open the door trim on the front of the boiler (see boiler installation and operating instructions)
- Open the left hand side panel of the boiler (see boiler installation and operating manual)
- The DIN rail is located at the top right (behind the NAVISTEM B3000 boiler controller).
- Place the extension module on the rail.

## 3.2. On CONDENSINOX (equipped with a NAVISTEM B3000)

The extension modules are mounted under the NAVISTEM B3000 boiler controller.

- Open the front casing doors of the boiler (see the instructions for installation and use of the boiler);
- Fit the extension module and secure using two M4 x 16 screws (provided).



# 4. ELECTRICAL CONNECTION

## 4.1. Cables

Cable sections below are purely illustrative and do not relieve the installer from checking that they meet requirements and satisfy the national and local standards in force.

If a cable is damaged, it must be replaced by the manufacturer, its after-sales service or a similarly qualified person to avoid any possible danger.

This device is designed to operate at a nominal voltage of 230V, +10% / -15%, 50 Hz

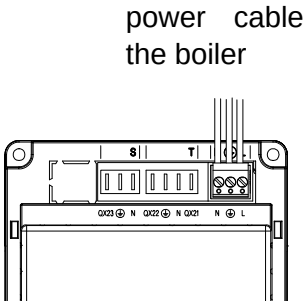
| Cable | Copper conductors | Cable raceway |
|---|---|---|
| **Power supply** | provided | High current |
| **BSB communication bus** | provided | Low current |
| **Valve** | 4 G 1,5 mm² (2A maxi) | High current |
| **Pump** | 3 G 1.5 (2A max) | High current |
| **Sensors** | 2 x 0,5 mm² | Low current |
| **"0 ... 10V" input / "On/Off"** | | |

To reduce the risk of pulling on cables, please use the cable clamps located on the boiler.

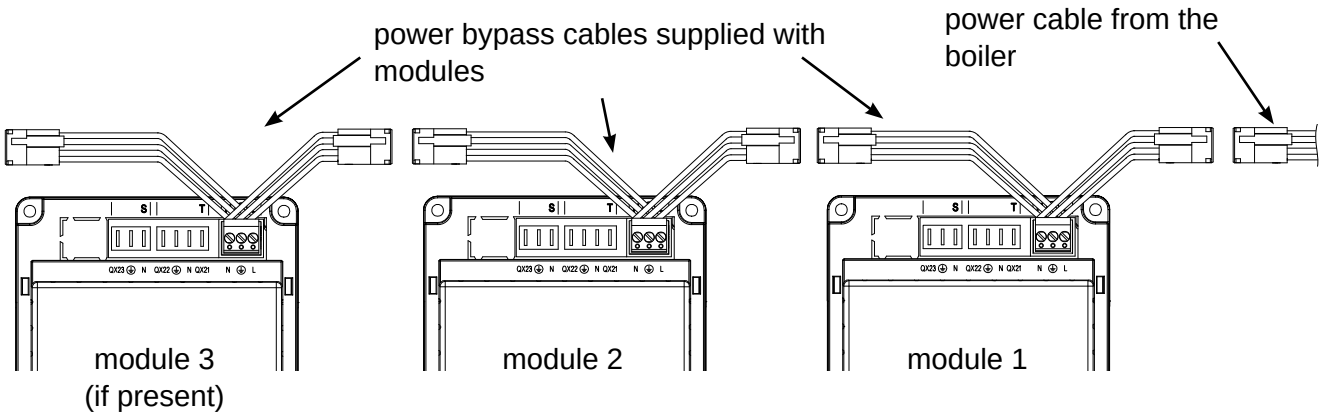
## 4.2. Electrical connections to terminals

### *4.2.1. Power supply terminals*

***1st case: Just one module***

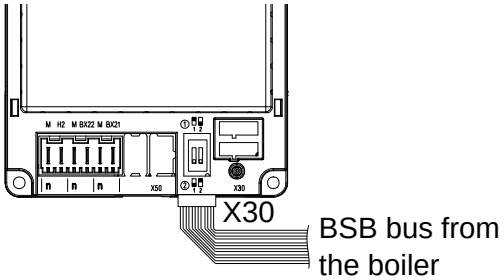



***2nd case: Several modules***

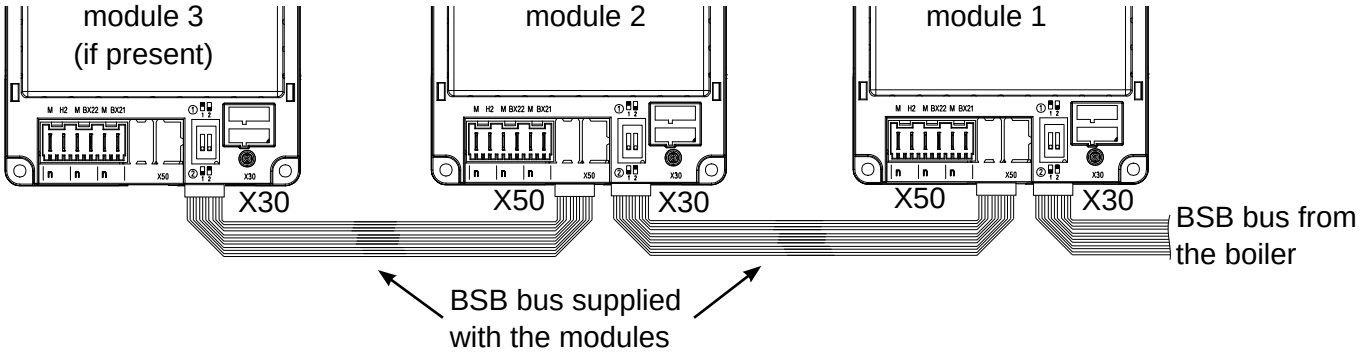


### *4.2.2. Communication bus terminals*

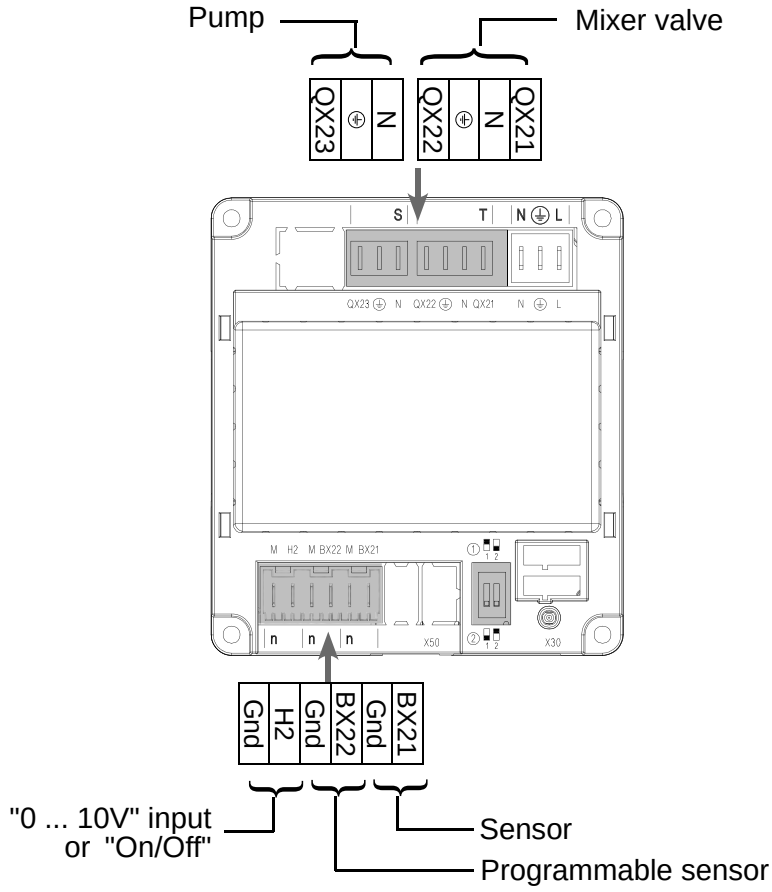
***1st case: Just one module***




***2nd case: Several modules***




### *4.2.3. Boiler component terminals*



# 5. PARAMETER SETTING

Parameter setting is explained in the documentation supplied with the boiler.

The switches located on the extension module are used to define the address of the module: