

Introduction

As the FLEX controller is designed to be flexible for use in different treatment plants, some configuration is required before it can be used. The user interface (LCD and buttons) allow status to be viewed and settings adjusted.

User Interface and Menu

Press the up or down arrow keys to move through the menu items. The OK button will enter an item. The left arrow will go back.

```
AERATION          0/60
-----           MINS
BLOWER ON
```

The main screen displays the current operational state.

```
|| FAULTS:
   BLOWER FAULT
   Activated 23 secs ag
```

The faults screen shows any active alarms and when they were triggered.

```
|| STATUS
```

The status submenu shows status of each of the inputs and outputs of the system. It also shows how to connect ancillaries.

```
|| TEST
```

The test submenu allows each of the outputs to be tested.

```
|| SETTINGS
```

The settings submenu allows settings such as timers and functions to be configured.

```
|| ADVANCED
```

The advanced submenu allows the operating profile to be changed, plus other functions.

```
|| WIFI
```

The wifi submenu allows configuration of wifi settings and access to Wastewater Cloud.

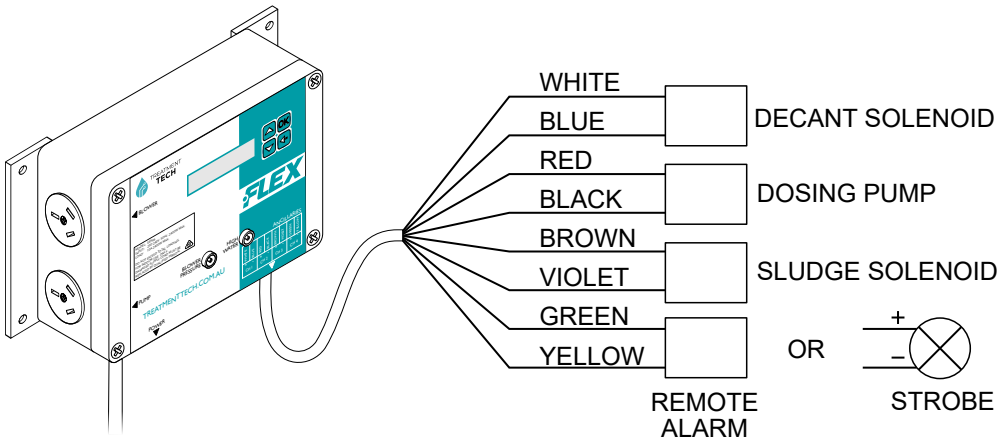
For retrofit to Ozzi Kleen treatment plants:

1. Connect the FLEX to a power source. On the display select Advanced > Profile and then select "Ozzi Kleen":



The system settings should be suitable for most installations when left to defaults.

2. Connect the ancillaries to the 8-core cable (solenoids, etc.) as per the following diagram:



IMPORTANT NOTE ABOUT SOLENOIDS:

Maximum solenoid current draw must be less than 400mA at 12VDC.

Traditionally, 24VAC solenoids have been used as they are compatible with both 24VAC and 12VDC.

Later Ozzi Kleen systems use large decant solenoids that draw excessive power and generate a lot of heat. Depending on the specific model the use of such solenoids may result in a decant output fault, in which case we recommend replacing with one of the smaller solenoids sold by Treatment Tech.

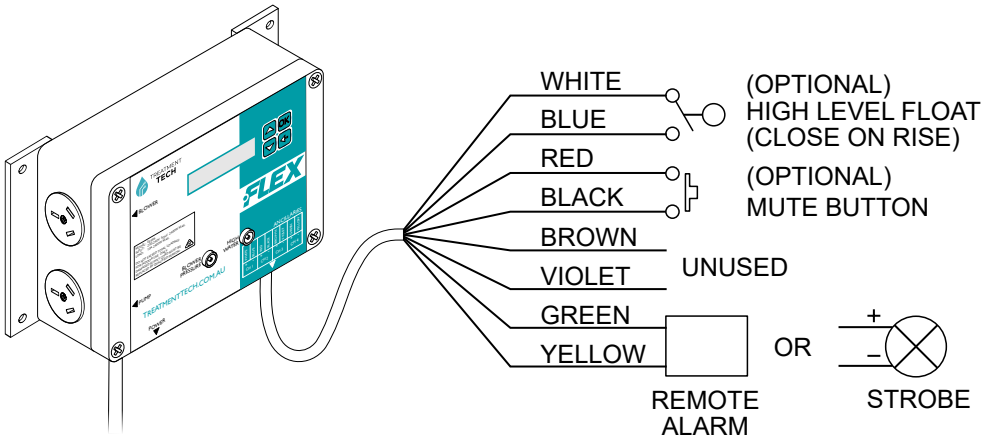
For retrofit to generic treatment plants (i.e. Bio Treat, Biocycle, Econocycle, Fuji Clean):

1. Connect the FLEX to a power source. On the display select Advanced > Profile and then select "Generic":



The system settings should be suitable for most installations when left to defaults.

2. Connect the ancillaries to the 8-core cable as per the following diagram:



HIGH LEVEL INPUT NOTE:

In generic mode the High Level functionality can be triggered either by using an air tube type high level pressure sensor OR a float switch connected to the white and blue wires of the 8 core cable. If the float switch input is not being used please ensure that the corresponding wires cannot short out.

Final steps (for all treatment plant types):

3. Select the combination of siren, strobe and remote alarm you wish to use under Settings > Alarm Mode:

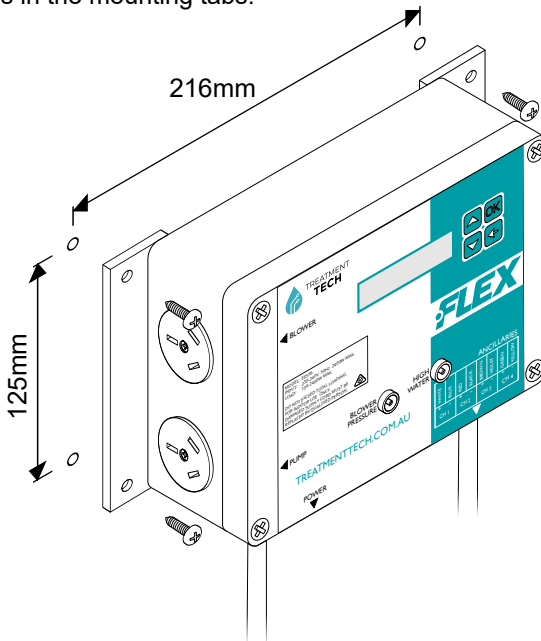


The Alarm Mode has 3 options:

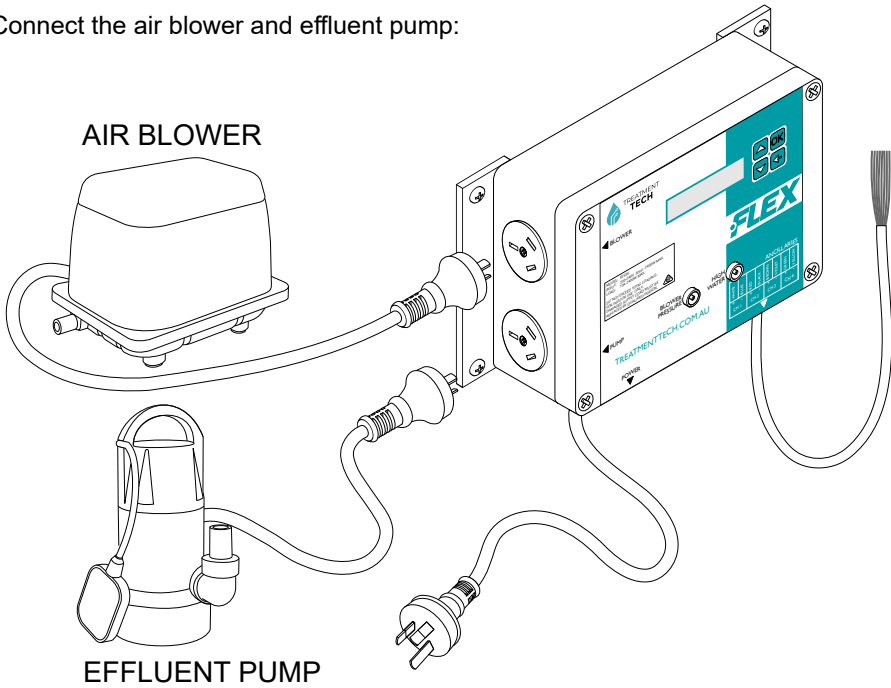
- Remote: The system will use a remote alarm indicator inside the residence.
- Strobe Only: The system will have a strobe light mounted on top of the motor box.
- Strobe and Siren: The system will have a strobe mounted on top of the motor box, plus will also use the siren internal to the controller.

Please note that Australian Standards require audible and visual alarm that can be noticed from inside the residence.

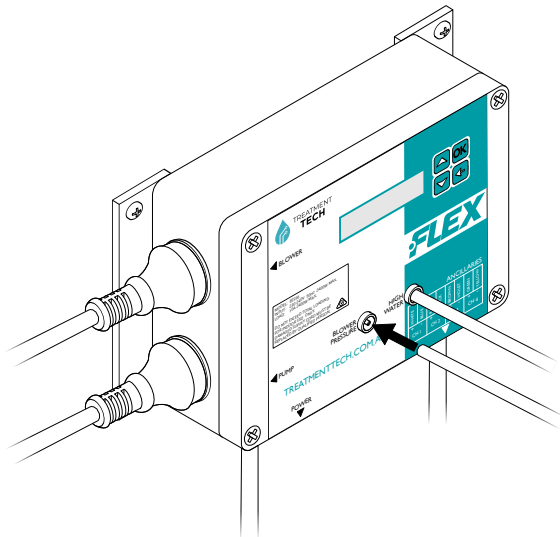
4. Fix into position inside the treatment plant motor box, using bolts or self-tapping screws into the 6mm holes in the mounting tabs:



5. Connect the air blower and effluent pump:



6. Where used, connect the air pressure and high level hoses to the sensor inputs:

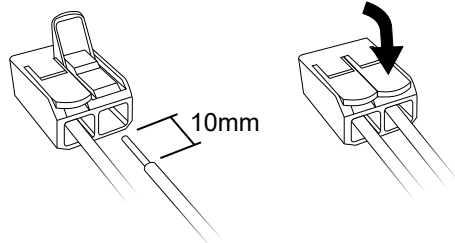


7. Ensure that all wiring is neat and cut off/tape up any unused wires from the 8-core ancillary cable.
The controller must be protected from the weather so ensure that the motor box lid is fitted correctly.
8. Connect the FLEX supply plug into the weatherproof socket-outlet in the motor box.

Splice Connectors

Lever style splice connectors are supplied for joining the output wires to ancillaries (solenoids, remote alarm, etc.).

To use, simply strip 10mm of insulation from the wires, lift the lever, insert the wire and close the lever. Only one wire per side; the wires will be joined internally.



Troubleshooting

<p>No power.</p>	<p>Check that GPO supplying the FLEX has power. Check treatment plant circuit breaker at switchboard.</p>
<p>The strobe light is always on.</p>	<p>Ensure that you have selected the correct alarm mode (strobe only or siren and strobe).</p>
<p>The decant solenoid won't work.</p>	<p>The solenoid must be an appropriate voltage and power rating. Refer to page 2 for more information.</p>
<p>The controller is reporting an output fault.</p>	<p>This means that one of the ancillary (12V) outputs is short circuited or drawing too much power. Ensure that no unused wires are shorting out and that the appropriate ancillary components are being used.</p>

WiFi

The Treatment Tech FLEX can be purchased with an internal WiFi module to allow it to connect to Wastewater Cloud using the residence's WiFi network. Refer to the user manual for more information.

Wastewater Cloud

By connecting the treatment system to the onsite WiFi it will be possible for both the owner and service agent to monitor using Wastewater Cloud.

Note that the Wastewater Cloud service is accessed at an additional cost.

Warranty

The Treatment Tech FLEX comes with a 24 month warranty.

Please see the Treatment Tech FLEX user manual for full warranty terms and conditions.

www.treatmenttech.com.au
Phone: +61 (0)7 5354 6110
contact@treatmenttech.com.au

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