**MANUAL
DOWNLOAD**

TREATMENT
TECH

1.0 Introduction

The Treatment Tech REMOTE is a remote alarm indicator for Treatment Tech controllers to provide audible and visual alarm indication inside the residence.

2.0 Installation
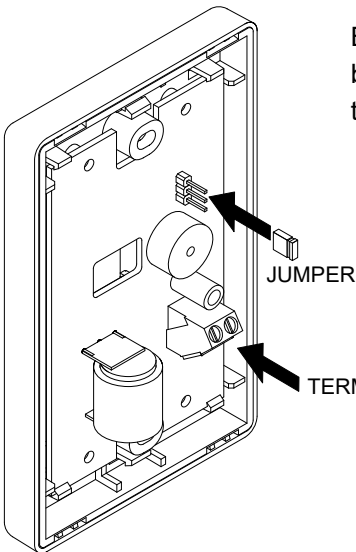
Connections between the treatment plant and the house MUST comply with AS/NZS 3000 requirements regarding insulation and segregation.

Poor electrical connections and/or connections exposed to moisture can result in intermittent operation of the REMOTE.

The remote alarm plate is designed for ease of installation and as such power and a signal are sent over the same pair of wires. These connections are NOT polarity conscious so it does not matter which way around they are connected.

The REMOTE can be located up to 100m from the FLEX controller.
In order to avoid excessive voltage drop it is recommended that a minimum of $1mm^2$ cable is used. Even though the REMOTE operates at a safe, extra-low voltage a minimum cable insulation rating of 300VAC is recommended.
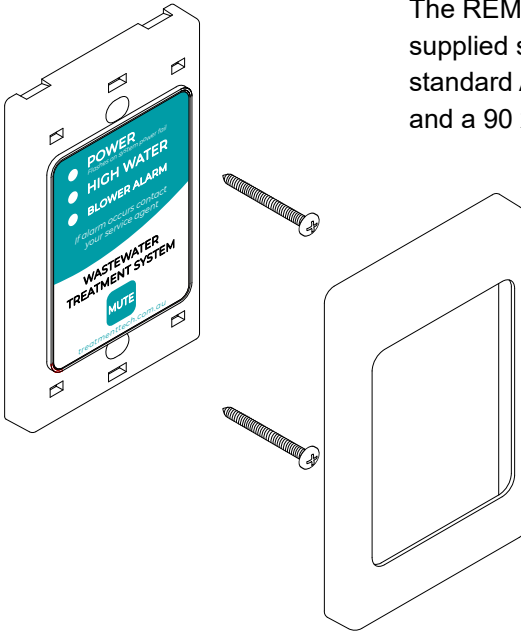
Before fixing to position, the wire connections must first be screwed into the green terminal block on the rear of the REMOTE.

The power jumper must be moved from the OFF to the ON position or the REMOTE will not function.

JUMPER

TERMINAL BLOCK WIRING CONNECTIONS

Because a data signal is sent to the remote alarm plate, it's important that good connections are maintained. Ensure that screw terminals are free of corrosion and tightened appropriately and that there is no opportunity for moisture to enter the conduit or junction boxes. Both of these can cause intermittent problems with the REMOTE operation.

The REMOTE is affixed to the wall using the two supplied screws. The size and mounting suits standard Australian electrical wall plate brackets and a 90 x 50mm cutout. Take care not to overtighten the screws as this can make removing the clip-on surround difficult.

Once fixed in place the surround can be clipped into position.

3.0 Operation

POWER ON
When the power jumper is moved to the ON position the LEDs ont he front of the REMOTE will flash a power on sequence. If the controller to which the REMOTE is connected is powered down then the REMOTE will enter a dormant state. Once a valid signal is received from the connected controller the REMOTE will enter an active state.

POWER/SIGNAL INDICATION
When power is being supplied by the connected controller the green Power LED be lit and blink approximately twice per second.

If power is lost (i.e. the treatment plant has lost power) then the onboard backup battery will allow the alarm plate to continue functioning for up to 24 hours. All LEDs (including the power LED) are switched off to conserve power, but the power LED will flash once every few seconds and the buzzer will sound to indicate a power failure. A similar behaviour occurs if there is a problem with the signal.

ALARMS

If any of the alarms on the connected controller are activated then the corresponding LED on the REMOTE with also be lit and the inbuilt buzzer will begin to sound.

MUTE

The buzzer can be muted at any time by pressing the mute button. In order to comply with Australian Standards the mute is self resetting and after 24 hours if the alarm is still present the alarm will begin to sound again. Pressing the mute button again repeats the process.

4.0 Troubleshooting

No activity	- Is power jumper in the ON position? - Does the treatment plant have power? - Is the cable between the treatment plant and REMOTE in good condition?
Power alarm	- Does the treatment plant have power? - Is the cable between the treatment plant and REMOTE in good condition? - Is there water in the cable conduit?
Siren won't stay muted	The mute function only lasts for 24 hours so that the system complies with Australian Standards requirements.

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