

FPC-12558

The Macerator Controller has been specifically designed for the processing of waste in the sewage industry. The controller uses current sensing to detect an overload of a grinder due to an obstruction. To attempt a clearance of the blockage, the controller will engage the grinder to run in reverse for a period before returning to the forward direction.



HARDWARE FEATURES

Enclosure:

- IP54 rated, polycarbonate enclosure with mounting brackets

Protection:

- Low voltage control and input circuitry

Control & interface:

- Forward and Reverse Contractors for attempted restarts
- Local or remote control via terminal inputs
- Indicator lights for Macerator run, fault and power on
- Manual Reverse operation button
- Indicator lights for Macerator jam or Over temperature
- Emergency stop circuit and light

Inputs:

- Three phase (230Vac) power supply
- Digital 24Vdc input for Motor Thermostat and Remote Start/Stop

Outputs:

- BMS volt free outputs for Remote Switch ON, Macerator Fault and Run

FUNCTIONS

- **Forward and Reverse operation** - Current transformers constantly monitor the draw of a single phase to detect possible blockage of the Macerator. If a Blockage occurs the controller will attempt to run the Macerator in reverse to clear the obstruction and then resume forward operation.
- **Blockage indication** - If a blockage is not cleared then the system will give indication that the Macerator is jammed.
- **Remote Stop/Start** - The controller can be fitted with a Remote Start/Stop input, this can be selected via a three position selector switch on the front of the panel.

Macerator Controller

Code	Description	Overload
FPC-12588-AA	Macerator Controller	1.6 - 2.5A
FPC-12588-A	Macerator Controller	2.5 - 4.0A
FPC-12588-B	Macerator Controller	4.0 - 6.0A
FPC-12588-BB	Macerator Controller	5.5 - 8.0A
FPC-12588-C	Macerator Controller	7.0 - 10.0A
FPC-12588-D	Macerator Controller	9.0 - 13.0A
FPC-12588-E	Macerator Controller	12.0 - 18.0A