

# Blade level controllers for bulk materials

# MAV

## General information

Essentially, this controller is a switch actuated by a displaceable blade. They are aimed at controlling the level of materials in small hoppers and containers.

## Operation

The blade should be exposed to the material to be controlled.

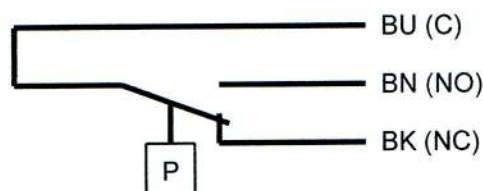
When the material fills the hopper, it exerts a progressive pressure on the blade and obliges it to move backwards, actuating the switch. This switch should be connected to the control systems to start/stop the transport and signalling mechanisms.

## Location

The controller should be placed in a vertical position at a suitable point so that the inflowing material reaches the blade when the hopper is full and leaves it free when emptying.

## Specifications

<b>Housing and blade</b>	Polyamide 6
<b>Protection box</b>	ABS
<b>Switch</b>	Micro-inverter, single phase, 5A/ 220V AC



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## Supply

Three versions can be supplied.

### Type MAV 2330

Hose cable 3x0.5mm<sup>2</sup> of 450 mm long.



### Type MAV E 2330 - 1

Located in a protection box with stuffing box. Hose cable, three wires, 450 mm long.



### Type MAV ET 2330 - 2

Located in a protection box with a M16 tube, 330 mm long. Hose cable, three wires, 450 mm long.

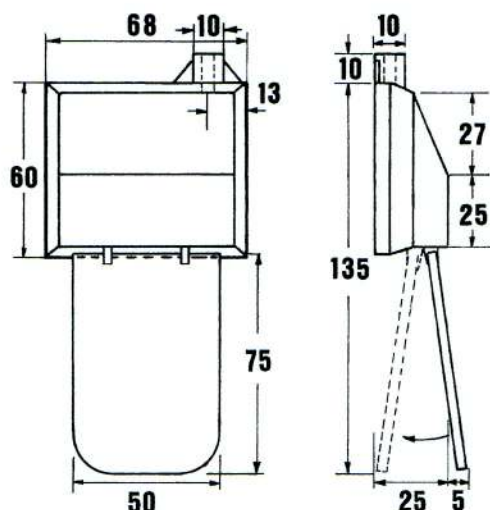
The pipe is used for hanging the controller. A sliding bracket allows the placing of the controller at a suitable height.



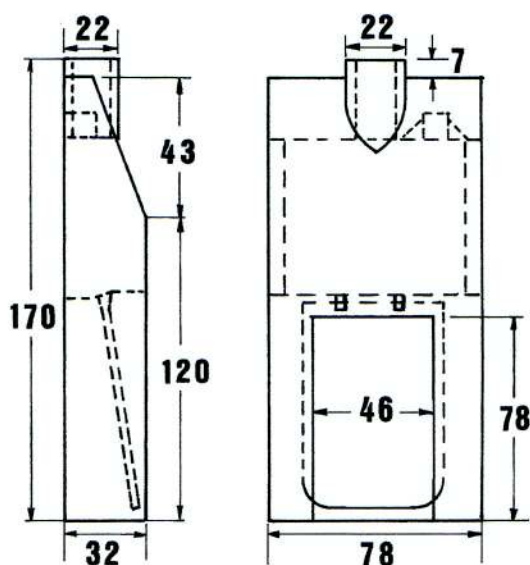
## Dimensions

Approximated measures are given in mm.

### Simple Switch Type 2330



### Encapsulated Switch Types 2330-1 and 2330-2



## Mounting tips

The direct impact of the material against the blade should be avoided.

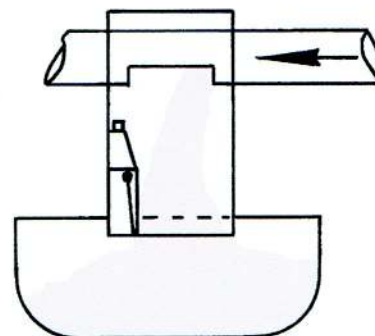
### Type MAV E 2330-1

Encapsulated controller, screwed to a side wall in a small hopper and controlling the high level.



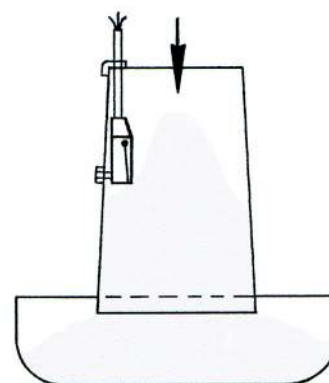
### Type MAV E 2330-1

Encapsulated controller, screwed to a side wall in a small feeding trough for fowls. Stops the transport system when the hopper is full, and starts it again when empty.



### Type MAV ET 2330-2

Encapsulated controller, hanging from a tube with a sliding bracket. Controls the high level in a feeding trough for fowl, stopping and starting the filling system. In the case of conical hoppers, it is advisable to install a butt screw to assure a vertical mounting.



### When a non encapsulated 2330 type is used.

Fit a protection in such a way that the material pushes the blade from the front and prevents it from being blocked from behind.