



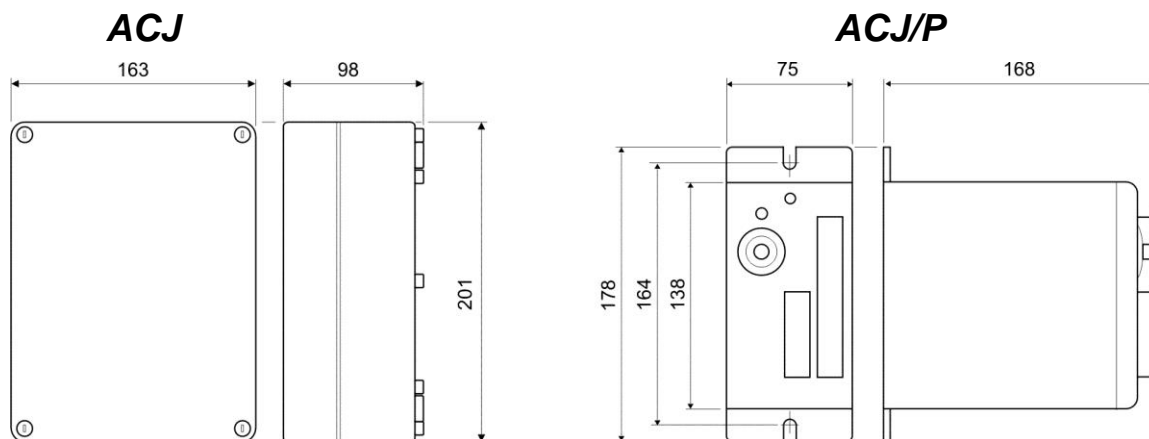
HAWKER

LEVEL CONTROL SYSTEMS

ACJ and ACJ/P

Operating Principle

Level controller relying on the conducting properties of the liquids to complete an electrode circuit between fixed electrodes. Alternating current (A.C.) is used to prevent polarization. The built in close switching differential circuit avoids relay hold-on at the lower electrode caused by clinging detritus and the effect of surface foam at the upper electrode.



Specification

Supply:	110V A.C. or 230V A.C. +10%, -20%
Consumption:	7VA
Temperature:	-10 to +60 degrees C
Sensitivity:	200ohms to 4,200ohms for dirty water and highly conducting liquids (R4 fitted) 200ohms to 14,500ohms for cleaner or lower conducting liquids (R4 omitted).
Electrode circuit:	25V max open circuit 30mA short circuit mains isolated via a double bobbin transformer.
Timer:	0-10 seconds selectable. Operating in the de-energised mode e.g. delay to start. Ideal where there is wave action or turbulence.
Distance of Controller to Electrode:	1.000m in A.C. mode with A.C. voltage on the electrodes greater than 1.000m in D.C. mode with D.C. voltage on the electrodes. NB in D.C. mode the fail safe switch is changed in that the FSH becomes FSL and visa versa.
Fail Safe:	Switch selectable. In FS HIGH mode the relay is de-energised (light OFF) when the liquid is in contact with the shortest electrode (P1). Generally used for high alarm and filing applications. In FS LOW mode the relay is energised (light ON) when the liquid is in contact with the shortest electrode (P1). Generally used for low alarm and pumping out applications.
Relay:	The control relay has two sets of changeover contacts which operate in unison. Contacts rated 4A @ 250V A.C. resistive.
Indication:	Red L.E.D. showing relay energised. Green L.E.D. showing power on.

This product has been designed and complies to the relevant standards as listed in its certificate of conformity. The installer/user must ensure compliance. The crossed out bin symbol, placed on the product, reminds you of the need to dispose of the product correctly at the end of its life. Because of continuing development we reserve the right to change the specifications without notice

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FM 10000



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