



The CS range of cold store Air Curtains are designed to protect refrigerated or air conditioned areas and other temperature controlled environments. This is achieved by preventing the ingress of warm air and the loss of refrigerated or conditioned air

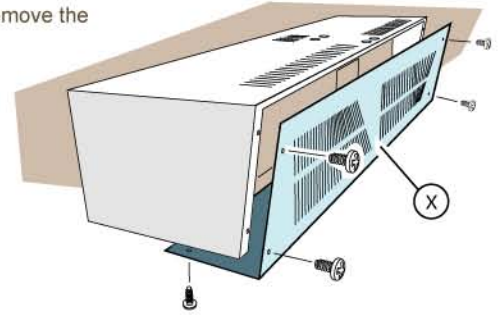
1  **Important** All CS Air Curtains must be fitted to the outside of the cold store. **Never** mount the unit on the inside of a cold store where the temperature is less than +4 °C. Warm air will penetrate over the top 60% of the cold store door, so it is essential to stop this penetration of warm air into the cold store to prevent ice forming on the cold store floor or evaporators. Once warm air is prevented from entering the cold store then little or no further cold air spillage from the cold store should occur. CS Air Curtains should be mounted as close as possible to the top of the door / aperture. **For doors/apertures over 4 metres please contact Sales at Air Curtain design.**

2 Carefully remove packing from air curtain

3  Check the overall weight of the unit to ensure safe handling and that the structural wall or ceiling supports are sufficient

4 Fix the unit securely to the cold store face, ceiling or brackets

- unscrew and remove the front panel (X)



Wall Mount

- refer to the model tables and illustrations on Pages 2 and 3 and drill upper and lower mounting holes
- insert N° 6 screws in the upper holes and hang the unit from them *

- firmly secure the unit to the wall with a screw in each lower mounting hole *

Ceiling Mount

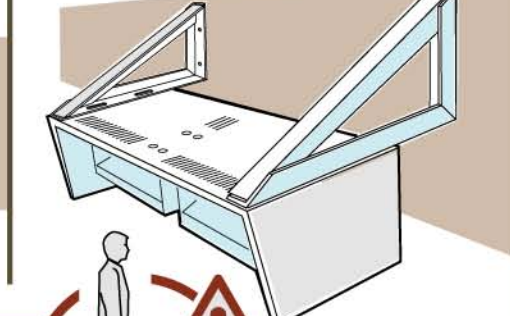
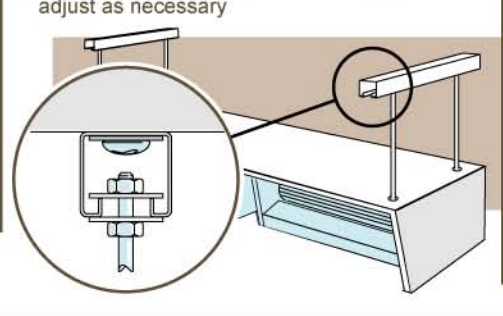
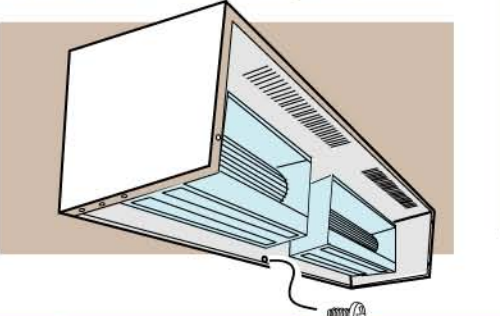
- refer to the model tables and illustrations on Pages 2 and 3, fix drop-rod brackets to ceiling (brackets and drop-rods not supplied)
- insert M8 drop-rods into the threaded holes on the top of the unit

- secure the unit to ceiling brackets and adjust as necessary

Bracket Mount


- refer to the model tables and illustrations on Pages 2 and 3 and secure brackets to wall above the door aperture (brackets not supplied)

- secure unit to brackets by inserting M8 bolts into the threaded holes on the top of the unit



5 Electrical connections can now be made


Load requirements will vary according to size and type of model. All units are 1ph unless specified. Please check relevant circuit diagram when installing. Circuits must be protected with a suitable fuse and the appliance earthed. You must ensure that the electrical cable installed is capable of taking the load indicated on the appropriate wiring diagram or table.

 The units should be wired by a competent electrician and be in accordance with the latest I.E.E. wiring regulations

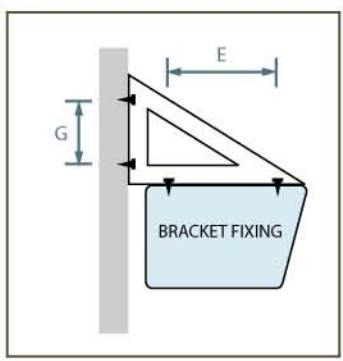
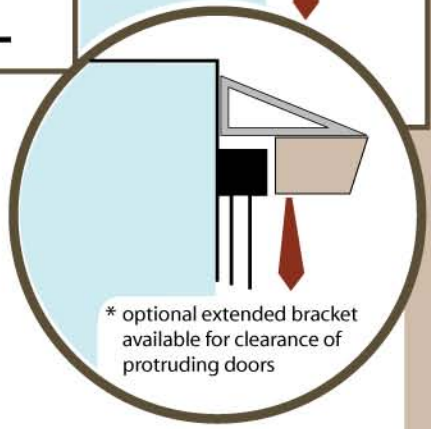
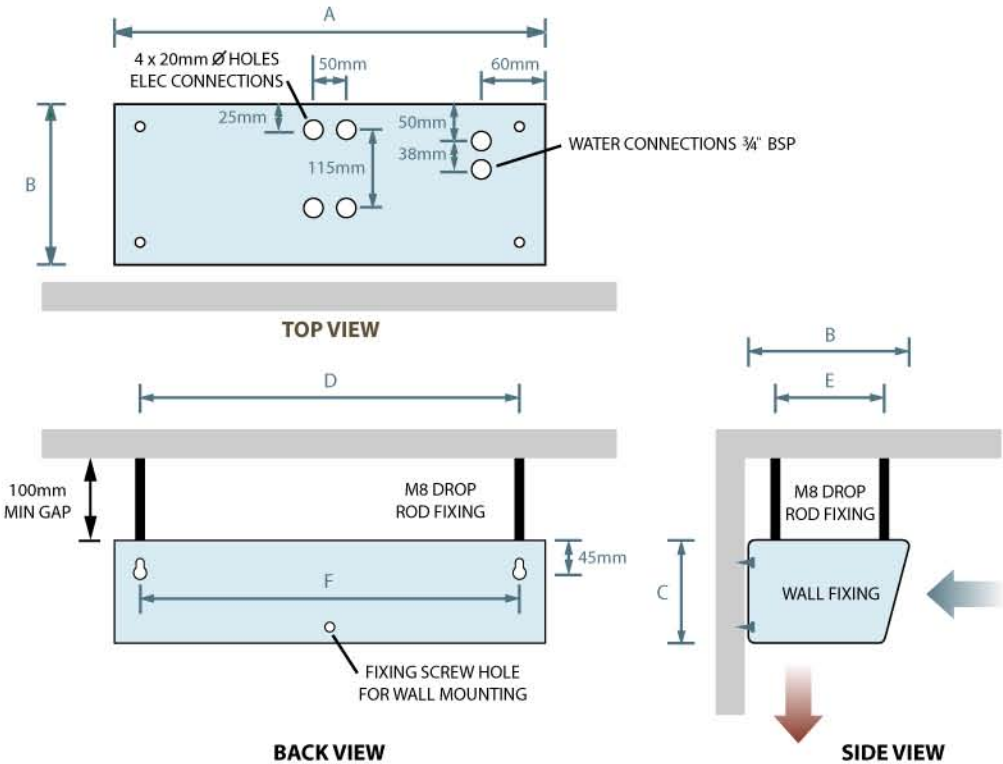
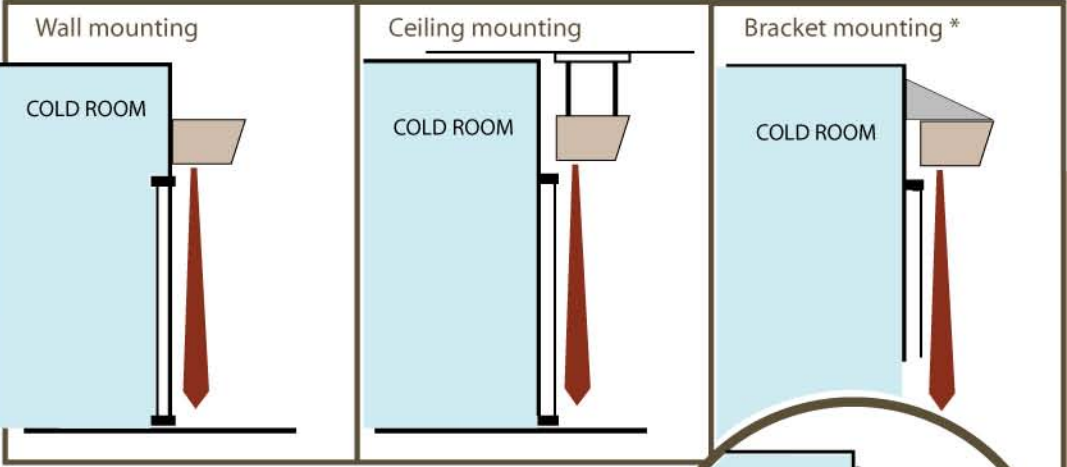
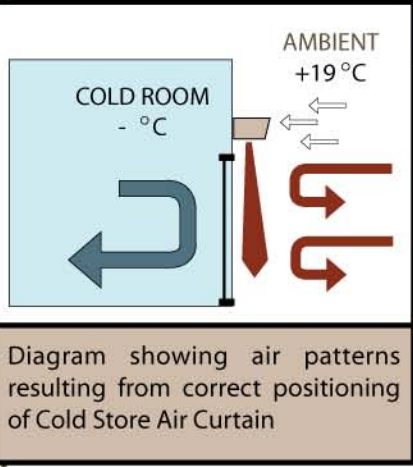
Caution

 Dynamically balanced fan scroll. Do not subject to impact during unpacking or installation.

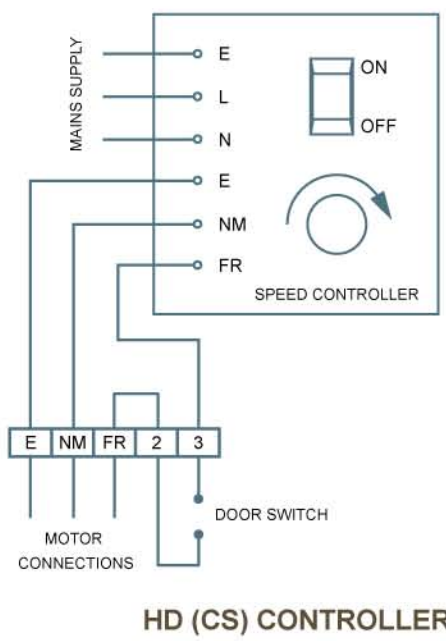
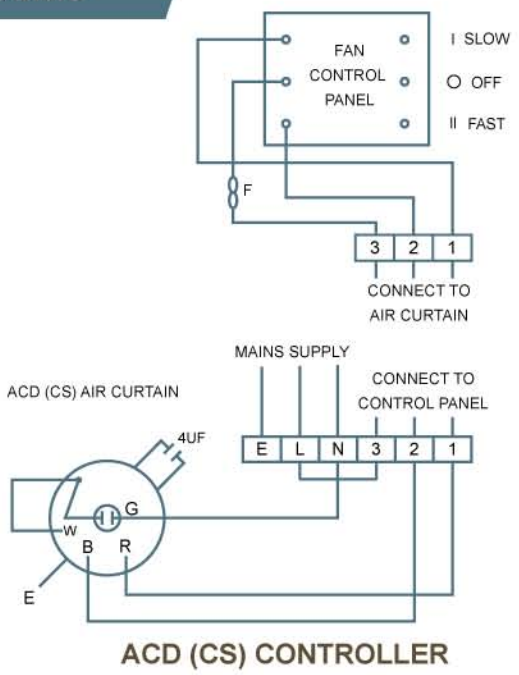
 Care should be exercised in preventing dust or solid material from entering the fan scroll.

 Avoid damage or distortion to the unit, particularly when connecting services.

Fixing Details



Wiring Diagrams



Technical Details

Model	Max current	Motor power	Voltage	Max air vol m ³ /h	Max height	Noise level d(B)A	Weight Kg
ACD 10CS	0.52A	60W	220/230V1ph	1490	3m	55/52	20
ACD 15CS	0.52A	60W	220/230V1ph	2200	3m	56/53	30
ACD 20CS	1.04A	120W	220/230V1ph	2980	3m	58/55	40
HD 10CS	1.35A	180W	220/230V1ph	1810	4m	69/66	25
HD 15CS	1.35A	180W	220/230V1ph	2900	4m	71/68	35
HD 20CS	2.72A	360W	220/230V1ph	3620	4m	72/69	50

DIMENSIONS

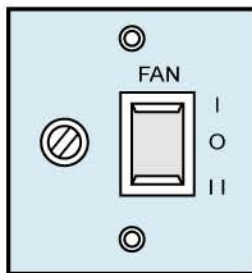
Model	Unit Dimensions		
	A mm	B mm	C mm
ACD 10CS	1100	300	200
ACD 15CS	1600	300	200
ACD 20CS	2200	300	200
HD 10CS	1100	350	250
HD 15CS	1600	350	250
HD 20CS	2200	350	250

FIXING DETAILS

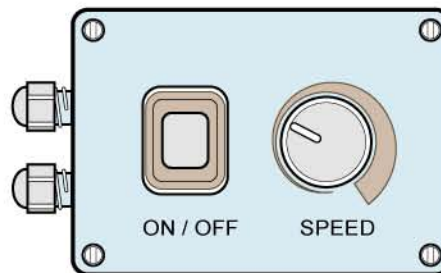
Model	Unit Fixing Positions			
	D mm	E mm	F mm	G mm
ACD 10CS	1040	190	1040	300
ACD 15CS	1540	190	1540	300
ACD 20CS	2140	190	2140	300
HD 10CS	1040	245	1040	300
HD 15CS	1540	245	1540	300
HD 20CS	2140	245	2140	300

Operating Instructions

The ACD (CS) unit is supplied with a remote control panel and door switch as standard.
The HD (CS) unit is supplied with a remote variable speed control and door switch as standard.
Each control panel can be used to control single or multiple units.



2-SPEED CONTROLLER



VARIABLE SPEED CONTROLLER



DOOR SWITCH

Routine Maintenance

Electrically isolate the air curtain before removing the cover.

After six months the fan should be inspected to ensure there is no build up of dirt or other deposits on the impeller/ motor. Thereafter it should be checked periodically as experience indicates.

Check security of fixings during routine maintenance.

All Air Curtain fans have sealed for life bearings and no further lubrication is required.