

Outputs

Fans speed (0...10V DC)

Deferred Alarm

Heating interlock (Optional; NO relay fitted as standard)

Prompt Alarm

High Temperature Alarm (45 degC)

The Prompt, High Temperature and separate Power Fail Alarm clean contact relays will all have their contacts wired in series to give a common alarm unless modified on site. The Deferred Alarm relay will be stand-alone.

Alarms

Alarm	Prompt	Deferred	Action	Latched
Unit Manually Off		Yes	Alarm Only	No
Either Room Sensor 1 or 2 Fail	Yes		Fan(s) run at full preset volume	Yes
Main Fan 1 Overload (MCB)	Yes		Unit runs on from Fan 2 only	Yes
Main Fan 2 Overload (MCB)	Yes		Unit runs on from Fan 1 only	Yes
Main Fan 1 internal fault	Yes		Unit runs on from Fan 2 only	No
Main Fan 2 internal fault	Yes		Unit runs on from Fan 1 only	No
Room High Temperature (≥ 45 degC)	Yes		Alarm Only	No
Room Low Temperature (< 8 degC)		Yes	Alarm Only	No
Filter Blocked		Yes	Alarm Only	Yes
Fire Shutdown	Yes		Fan(s) stop	No

Adjustments

No.	Adjustment	Default	Range	PIN Level
Knob K 1	Fan(s) Manual Position	20%	20...100%	COM
Knob K 3	AHU Start Delay	1 sec	1...300sec	R/W
Knob K 4	Fns Min Spd Setpoint	18 degC	18...21 degC	MTCE
Knob K 5	Fns Max Spd Setpoint	33 degC	fixed	OEM
Knob K 6	Fan(s) Nom Speed (correct volume)	90%	50...100%	COM
Knob K 7	Fan(s) Minimum Speed	20%	20...50%	COM
Knob K 8	Fan Diff in Mode B	5	1...7 degC	MTCE
Knob K 9	Hi Temp Alarm Setpt	≥ 45 degC	$\geq 40...50$ degC	COM
Knob K 12	Low Temp Alarm Setpt	8 degC	5...10 degC	COM
Knob K 13	Supply Air Low Limit	5 degC	4...6 degC	MTCE
Knob K 14	Heating Interlock setpoint	12 degC	Fixed	-
Knob K 15	Override timeout	60 min	30...120 min	COM

Switches				
No.	Adjustment	Default	Range	PIN Level
Switch W 1	Unit Enable	On	On/Off	R/W
Switch W 2	Main Fan(s) Override	Off	On/Off	COM
Switch W 3	Room Temperature Sensor 2 fitted	Off	On/Off	MTCE
Switch W 4	Select Mode A (fan(s) continuous)	On	On/Off	MTCE
Switch W 6	Disable Pwr Up Delay	Off	On/Off	MTCE
Switch W 7	Alarm Reset	Off	On/Off	R/W
Switch W 8	Maintenance Test (manual operation only)	Off	On/Off	R/W
Switch W 9	Maintenance switch (overrides alarms)	Off	On/Off	MTCE
Switch W 10	Twin Fan Unit	On	On/Off	OEM
Switch W 14	Reset Hour Counters	Off	On/Off	COM

Local isolators

Local isolation on both internal and external units to be site supplied and installed by others either adjacent to or on the side of the unit, where the type of switch selected for external units can meet the requirement to be protected from nuisance operation by third parties. WML will not offer door interlocked isolators as an ex works unit option.

Security (external units)

The doors will be flush in the unit casework.

The door hinges will be polycarbonate, riveted to the casework and door(s).

The locks will be compression type, operated by 5mm DIN key.

The above are all as on our BTREC type DX units, many of which have been installed externally.