

Using the HPDTS Distribution Transfer Switch

The Hillstone **Distribution Transfer Switch** provides a combined solution to 4 common issues faced when load bank testing a datahall.

- **Cable connections from distributed 20KW loads**
The DTS creates the possibility of using distributed granular heat load during pre-IT fit out of the data hall. Up to 6 free standing Hillstone 20KW mini-towers can be cabled to a single DTS unit.
- **Loss of environmental conditions in the data hall**
The DTS flexibility allows combination selection of loads across A & B supplies, without physical disconnecting and loss of room environmental conditions.
- **A-B Impact testing during simulated mains failures**
The DTS provides automatic transfer of loads from A to B and visa versa during simulated mains failures, again maintaining the rooms environmental conditions.
- **Localised Power metering**
Each DTS contains two electrical power meters allowing localised display of the A & B feed live load.

The DTS therefore enhance the load testing and reduce the timeline for IST commissioning projects.

APPLICATION NOTE / OPERATION METHOD STATEMENT

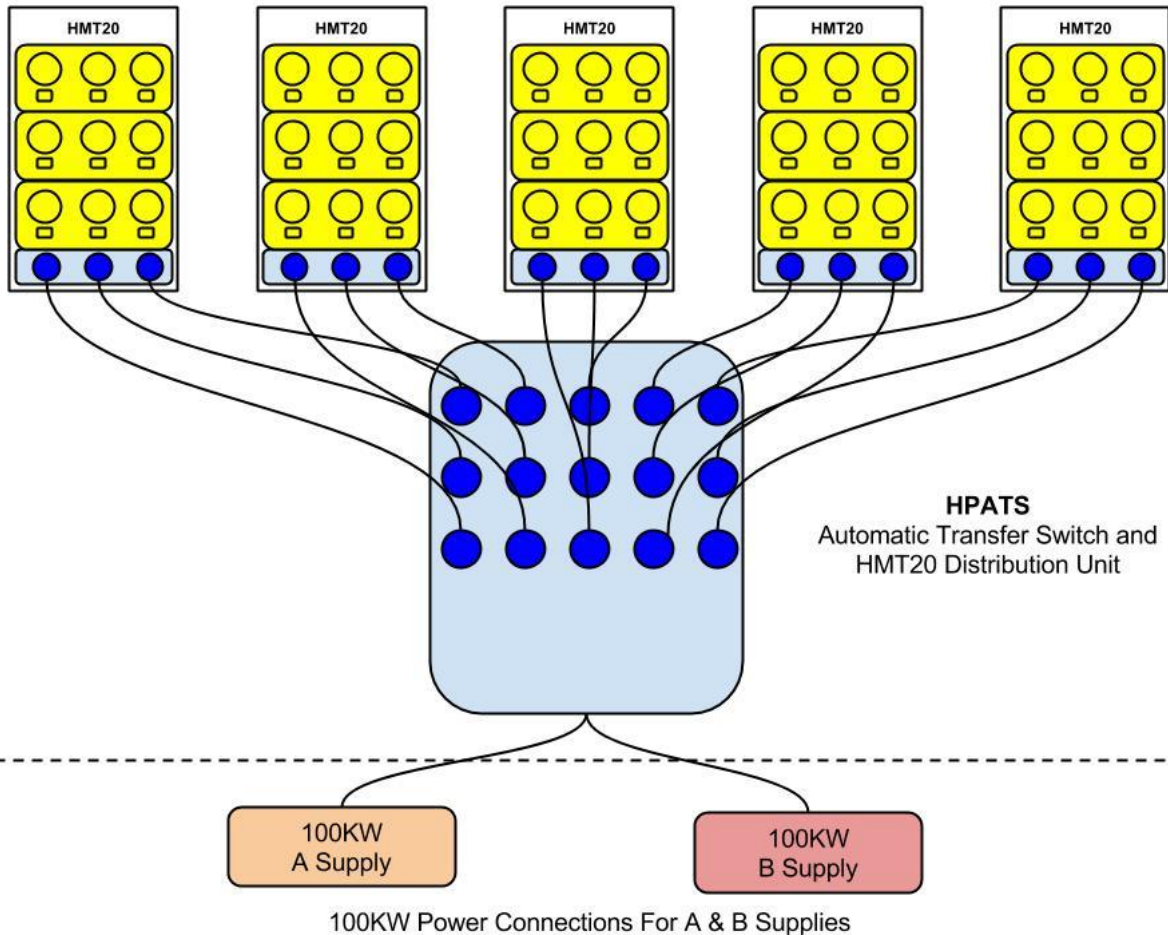
The following guidance notes are issued for installing and operating the load banks & HPDTS as required for IST testing

Installation procedures

- Position the HMT20 load banks on the floor with the air inlet facing the ducted cold air floor grill and the hot exhaust towards the "hot" aisle. They are to be distributed evenly across the data hall and positioned to represent the location of the future intended IT cabinets.
- Identify the positions of the power sockets & select the location to fit the temporary cable
- Ensure the cables are connected to the HPDTS. This should be completed in advance of the installation.
- Make connections to the power points for A & B.
- Set all DTS settings to A supply



TECHNICAL SUMMARY SHEET
HPDTS DISTRIBUTION TRANSFER SWITCH



Equipment Specification:

Type Reference	HPDTS Distribution Transfer switch
Rating	Rated for compatibility switching for up to 5x HMT20 or 15x HAC230-6RM load banks 220V, 240V 50/60Hz per pole
Max Switch Rating	690V 32A AC1 per pole
Input Cable Connection	C32 Single Phase Commando Sockets
Output Cable Connections	C32 Single Phase Commando Sockets. A sockets 32A rating & three single phase B sockets 32A rating Cable size 4mm 3 core flexible cable for single phase. Flexibility to connect to 3 phase sockets or PDU circuit breakers
Power Metering	Voltas, Amps, Power, Frequency, KWh