

INVERTEK[®]

Interactive

AUTO TRANSFER SWITCH (ATS)

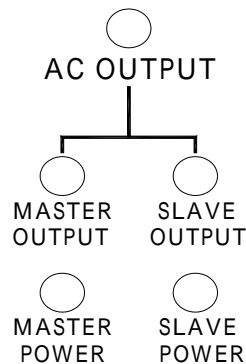


USER MANUAL

Front Panel



LED Indicators



MASTER POWER	The Master power within the specified voltage and frequency has been input.
SLAVE POWER	The Slave Input power within the specified voltage and frequency has been input.
MASTER OUTPUT	The appliances are running on the Master source as a priority.
SLAVE OUTPUT	The appliances are running on the Slave source when the Master source fails.
AC OUTPUT	The AC output has been successfully supplied from either MASTER POWER or SLAVE POWER .
COM	The COM light indicates that the ATS is connected correctly to the SuperCombi or CombiPlus Inverter.

Connection to SuperCombi and CombiPlus

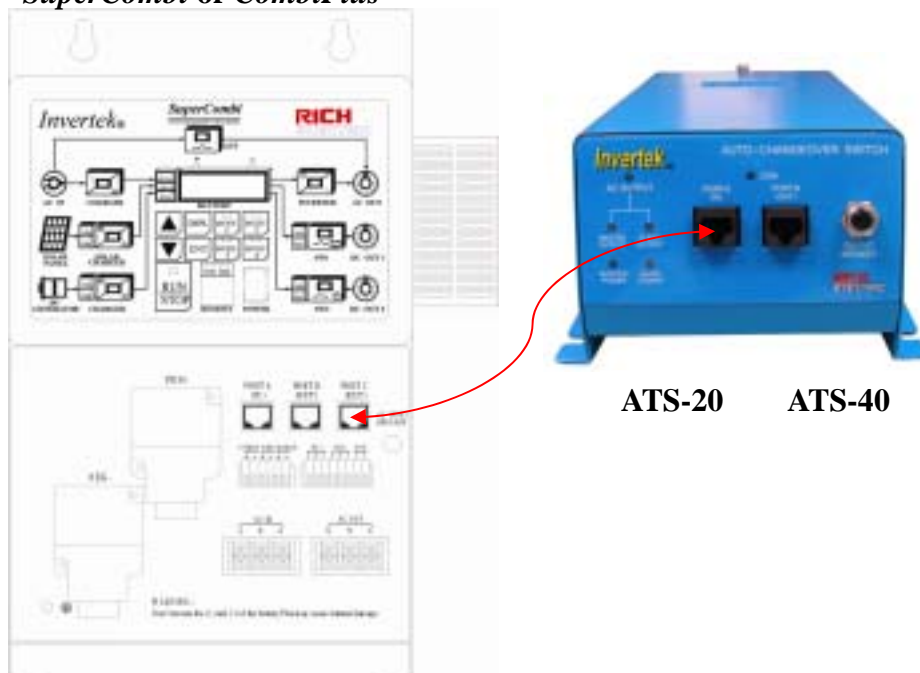
The External ATS can be used to automatically adjust the input supply current to the SuperCombi or CombiPlus. This is very useful if you have mains shore power and a AC generator. The interactive ATS will automatically adjust the AC input on the SuperCombi or CombiPlus depending on the supply source.

Example of SuperCombi and CombiPlus connection:

The SuperCombi has been programmed with the following scenario.
MODE 1 (B2-18= 16Amps) and MODE 2 (B2-19 = 04 Amps)

The SuperCombi is connected to Shore power and therefore will accept the full 16Amps of AC input. When disconnected from the shore power the ATS automatically connects to the (Salve) AC input to the on board 1000watt (240v) AC Generator. The interactive ATS when connected to the Combi unit will automatically select the current, B2-18 (MODE1 16Amps) when power from shore power and then adjust the input to B2-19 (MODE2 4.3Amps).

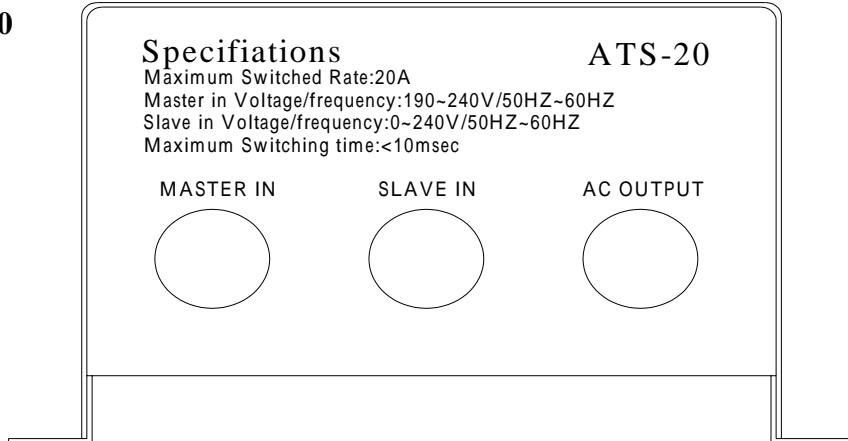
SuperCombi or CombiPlus



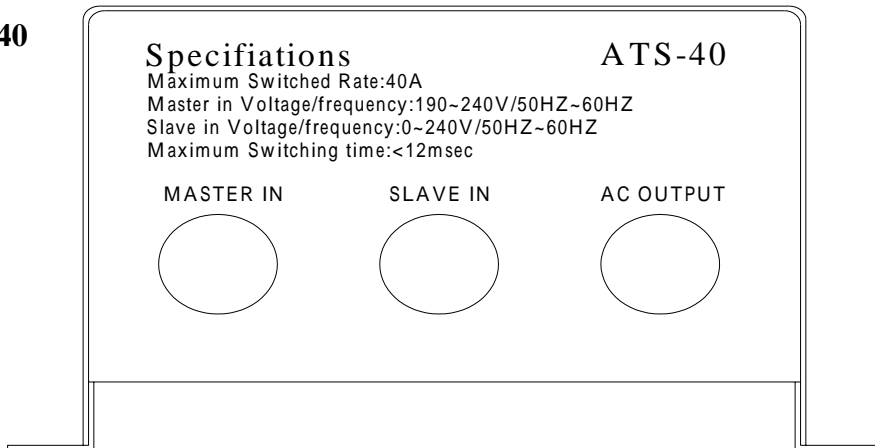
The front two communication ports marked PORT A (IN) and PORT B (OUT) on the ATS can be connected to the SuperCombi or CombiPlus. By connecting a Combi Data cable from Port A to the Port C (EXT) port on the Combi. The Combi inverter will be able to automatically adjust the AC input current programmed in MODE 1 and MODE 2 of the Combi unit. B2-29 will need to be enabled on the Combi for the External ATS to control the AC input supply.

Rear Panel

ATS-20



ATS-40



Specifications		
Model No.	ATS-20	ATS-40
Maximum switched capacity	20A	40A
Master Input		
Voltage	190-240 volts	190-240 volts
Frequency	50Hz/60Hz (selectable)	50Hz/60Hz (selectable)
Slave Input		
Voltage	0-240 volts	0-240 volts
Frequency	Not monitored	Not monitored
Thresholds for output of Master		
For switching to Slave	180 volts	180 volts
For switching to Master	188 volts	188 volts
Continuous stability interval	30 sec	30 sec
Dimensions (H x W x D)	95 x 130 x 220 mm	95 x 130 x 255 mm