



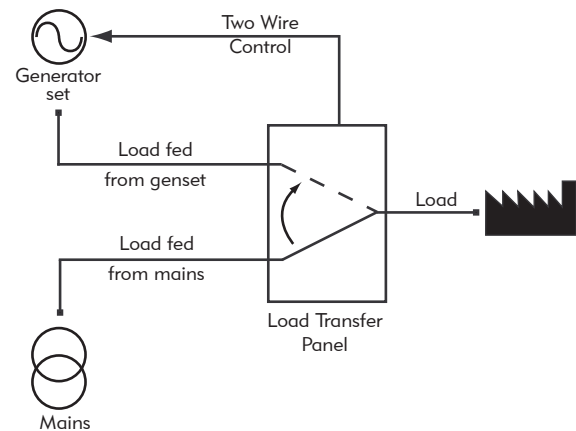
CTI Range Automatic Transfer Switch 63 – 160A

Image shown may not reflect actual configuration.

Features

Controls

- The ability to select between contactor and switch mode, allowing you to protect the electricity load and set the load transfer panel to the mode which best suits the application.
- A highly visible and user-friendly digital display allowing information to be read with minimal scrolling.
- Fast acting switch, reducing transfer times between generator set and utility power.
- Pre-programmed, allowing the panel to run on installation with the ability to customise if necessary.



Features

Wall Mounted

Status Indication

- Utility power available
- Utility power on load
- Generator set available/
generator set on load
- Utility power and generator set
off load
- Manual mode/automatic mode
- Test on load/test off load
- Manual re-transfer enabled/
required
- Power/error indication (LED)

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Symbolic icons to allow for multiple languages

Mechanically Held Switch

Facility for manual changeover

Liquid Crystal Display (LCD)

- Utility power L1-2, L1-3, L2-3
voltage
- Utility power L1-N, L2-N, L3-N
voltage
- Generator set L1-N, L2-N,
L3-N voltage
- Generator set L1-2, L1-3, L2-3
voltage
- Utility power frequency/
generator set frequency
- Number of times switch
transfers from mains to
generator set
- Timer settings

Selection between Contactor or Switch Mode

Standards

- Complete enclosure meets
standard IEC 60947-6-1
- Switch meets standard AC31B

Controls

- Under/over frequency failure
- Under/over frequency
restoration
- Manual/auto re-transfer
- Mode select pushbutton
- Under/over volts failure
- Under/over volts restoration
- Delay on start timer
- Delay on transfer
- Delay on re-transfer
- Dead band timer
- Run on timer
- Auto/manual control keyswitch
- Lamp test pushbutton
- Padlock facility

Top and Bottom Cable Entry

Optional Features

Auxiliary Contacts (TAUXA)

For switch position, padlocking and auto/manual

Voltage Sensing Tap (VSTA)

Allowing for pole voltage sensing

Solid Neutral Kit (TLNKA)

To connect neutral cables from the mains, generator set and load

Terminal Shroud for Added Protection (TIP1A)

Lightning Protection (TLPRA)

Ensuring the safety of system during lightning storms

Ingress Protection IP54 (TIP5A)

Protection for the control module

Load Terminal Extension (TELTA)

Improving ease of installation

Dimensions and Weights

Model	Rating (Amps)	A mm (in)	B mm (in)	C mm (in)	Weight kg (lb)
CTI 63	63	600 (23.6)	400 (15.7)	200 (7.9)	19.0 (41.8)
CTI 100	100	600 (23.6)	400 (15.7)	200 (7.9)	19.0 (41.8)
CTI 125	125	600 (23.6)	400 (15.7)	200 (7.9)	19.0 (41.8)
CTI 160	160	600 (23.6)	400 (15.7)	200 (7.9)	19.0 (41.8)

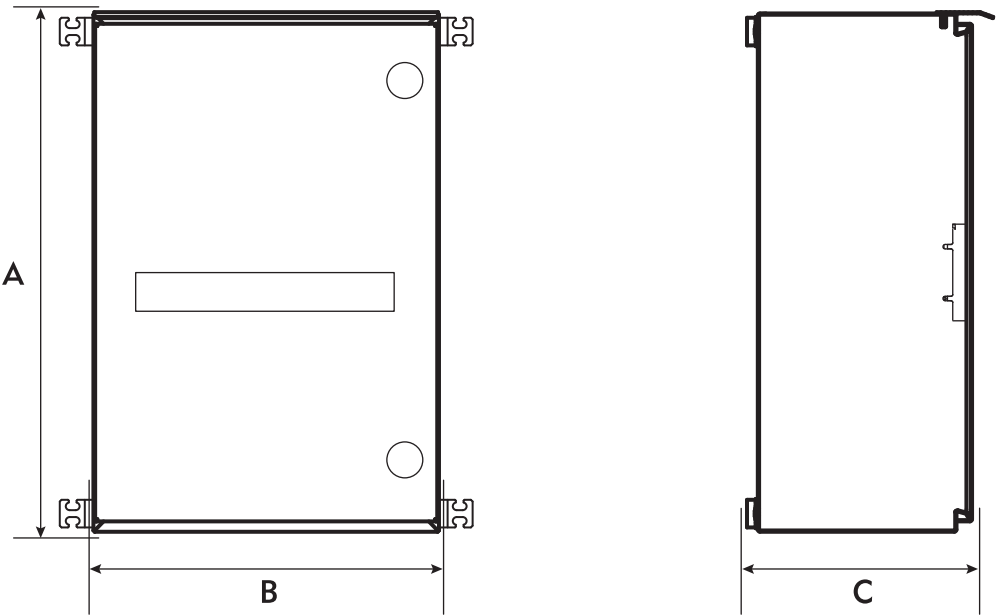




Image shown may not reflect actual configuration.

The panels use a mechanically held motorised switch to transfer the load between the mains and the genset and vice versa. In the event of mains failure, the control logic will automatically start the genset and transfer the load. The connection between the control panel and the ATI panel incorporates a two wire control system.

The motorised switch can also be manually operated in the event of failure of any other part of the system. A further benefit of the switch is that it will remain mechanically held in position despite any fluctuations in supply. In addition, should maintenance be required on the control system, the switch will stay in position and can be operated manually.

The electronic control module is situated on the front of the unit. The module will operate with any three phase voltage from 190-480 volts (50 or 60 Hz), with easy conversion to single phase operation.

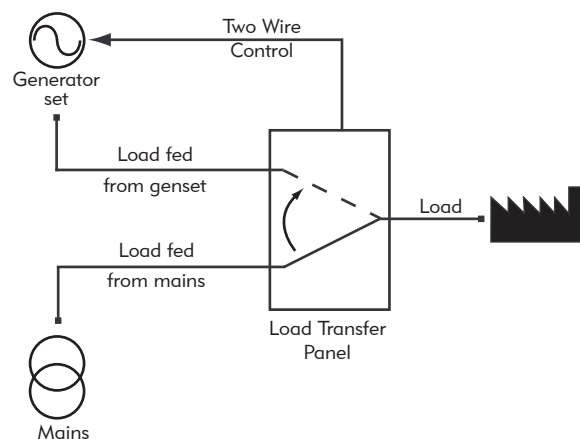
All models have been designed with customer accessibility in mind, boasting features such as a removable front cover, entry gland plate, cable access plate and a removable control module and/or motor.

ATI Range Automatic Transfer Switch 250 – 3200A

Features

Controls

- Automatic and manual operation for increased reliability
- Manual operation possible without opening the panel
- 4-pole changeover switch including electronics control to meet IEC 60947-6-1 standard
- Simple network configurations
- Test operations and sequences are accessible from front panel or remotely



Features

Motorised Mechanically Held Switch

Facility for manual changeover

Status Indication

- Utility power available
- Utility power on load
- Generator available/ generator on load
- Utility power and generator off load
- Manual mode/automatic mode
- Test on load/test off load
- Manual re-transfer enabled/ required
- Power/error indication (LED)

Liquid Crystal Display (LCD)

- Utility power L12, L13, L23 voltage
- Utility power L1N, L2N, L3N voltage
- Generator L13 voltage
- Utility power frequency/ generator frequency
- Number of commutation (service counter)
- Timer settings

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Symbolic icons to allow for multiple languages

Controls

- Under/over frequency failure
- Under/over frequency restoration
- Manual/auto re-transfer
- Mode select pushbutton
- Under/over volts failure
- Under/over volts restoration
- Delay on start timer
- Delay on transfer
- Delay on re-transfer
- Dead band timer
- Run on timer
- Auto/manual control keyswitch
- Lamp test pushbutton
- Padlock facility

Auxiliary Contacts (TAUXS)

For switch position, padlocking and auto/manual

Standards

- Complete enclosure meets standard IEC 60947-6-1
- Switch meets standard AC31-B

Optional Features

Top Cable Entry (TICT)**

Lightning Protection (TLPRB)

Ensuring the safety of system during lightning storms

Water Ingress Protection (TIP5)*

IP54 and NEMA 3 protection for the control module

Communications Module (TCOM)

Plug in module that uses Jbus/ modbus protocol to allow remote communication of the changeover system

Solid Neutral Link (TLNK)**

Volt-Free Contacts (TIO2)

For utility power available and generator available

Power Metering (TMET)**

To measure load current, kW, kVAr, kVA, power factor

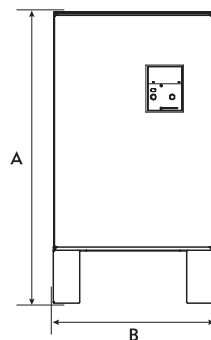
*Standard with ATI2000, ATI2500, ATI3200.

**Available with ATI250 – 1600 but D.T.O. only for ATI2000 – 3200.

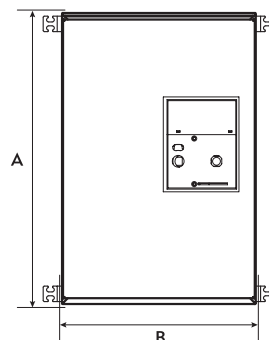
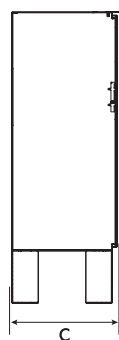
Dimensions and Weights

Model	Rating (Amps)	A mm (in)	B mm (in)	C mm (in)	Weight kg (lb)
ATI 250	250	500 (19.7)	600 (23.6)	300 (11.8)	33 (77)
ATI 400	400	600 (23.6)	600 (23.6)	375 (14.7)	40 (88)
ATI 630*	630	900 (35.4)	600 (23.6)	475 (18.7)	65 (143)
ATI 800*	800	1100 (43.3)	775 (30.5)	650 (25.6)	120 (265)
ATI 1000*	1000	1100 (43.3)	775 (30.5)	650 (25.6)	145 (320)
ATI 1250*	1250	1400 (55.1)	1005 (39.6)	650 (25.6)	200 (441)
ATI 1600*	1600	1600 (63.0)	1005 (39.6)	800 (31.5)	330 (728)
ATI 2000*	2000	1899 (74.8)	1005 (39.6)	1007 (39.6)	550 (1213)
ATI 2500*	2500	1899 (74.8)	1005 (39.6)	1007 (39.6)	600 (1323)
ATI 3200*	3200	1899 (74.8)	1005 (39.6)	1007 (39.6)	600 (1323)

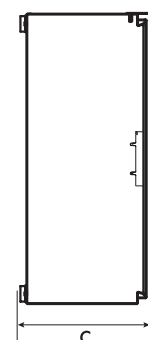
*Floor mounted, (height includes 100 mm pedestal)



ATI floor mounted



ATI wall mounted



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