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FG Wilson Control Systems

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Putting You in Control

Whatever your power requirements, FG Wilson can provide a control system to suit your needs. Our generator set experts design and validate FG Wilson control systems to optimise your generator set performance and put you in control.

All FG Wilson control panels are compact, versatile and easy to use. Our comprehensive range includes key-start analogue control panels for straightforward functionality and reliability; digital control panels suitable for use in mains failure applications, providing advanced metering, protection and diagnostics; and the next generation of advanced synchronising panels with integrated load management capability, suitable for synchronising up to 32 generator sets.

Our range of load transfer panels are designed to enhance the operation of your standby generator set in conjunction with our electronic control panels, to provide automatic control of your standby generator set in the event of a power outage, 24 hours a day, 365 days a year.

For more challenging power requirements, our Power Solutions Team is dedicated to the design and production of bespoke control systems to meet your individual needs, regardless of complexity.



Load Transfer Panels

24 Hour Power Protection 365 days a year...

FG Wilson's range of intelligent Load Transfer Panels offer you peace of mind.

The FG Wilson Load Transfer Panel range offers an electronically controlled response to power outages. With flexible, upgradeable options and a high level of functionality FG Wilson transfer panels provide 24-hour automatic control of standby generator sets, 365 days a year.

Load Transfer Panel Range

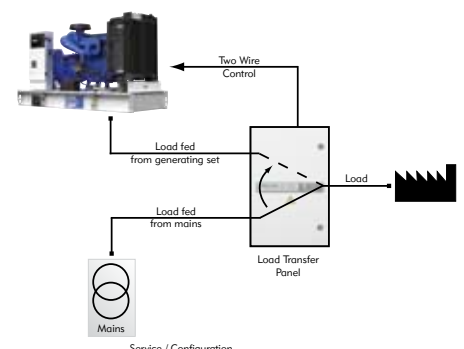


Benefits

- Fully automatic mains failure sensing and generator set start signal
- Pre-programmed enabling the panel to run on installation with the ability to customise if necessary
- Fast acting switches reduce transfer times between set and utility power
- Available from 63 – 1600A
- Seamless integration with FG Wilson digital control panels

Features

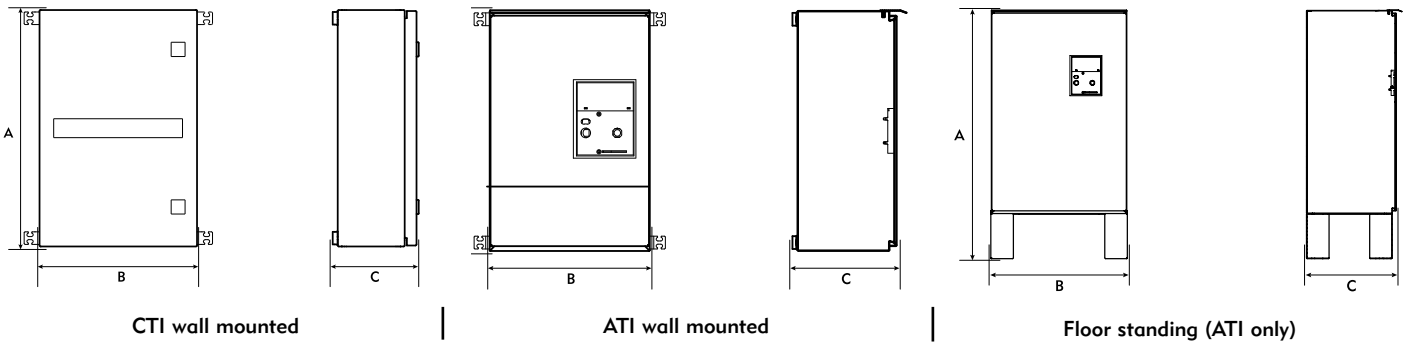
- Automatic and manual operation
- Automatically provides generator set start signal upon detection of mains failure, overvoltage or loss of phase
- Automatic mains re-transfer function
- Flexible, upgradeable options
- Test operations and sequences accessible from panel or remotely
- Manual switch operation possible via external handle
- LED functions display showing generator set / mains availability and switch position
- LCD display for voltage and timers
- Load transfer panel range meets ATS IEC 60947-6-1 standard



Model	Rating	ATI Transfer Dimensions			Weight
		A mm (in)	B mm (in)	C mm (in)	kg (lb)
CTI 63	63 A	600 (23.6)	400 (15.7)	200 (7.9)	19 (41.8)
CTI 100	100 A	600 (23.6)	400 (15.7)	200 (7.9)	19 (41.8)
CTI 125	125 A	600 (23.6)	400 (15.7)	200 (7.9)	19 (41.8)
CTI 160	160 A	600 (23.6)	400 (15.7)	200 (7.9)	19 (41.8)

Model	Rating	ATI Transfer Dimensions			Weight
		A mm (in)	B mm (in)	C mm (in)	kg (lb)
ATI 250	250 A	900 (35.4)	600 (23.6)	323 (12.7)	39 (86.0)
ATI 400	400 A	900 (35.4)	600 (23.6)	323 (12.7)	44 (97.0)
ATI 630*	630 A	1100 (43.3)†	600 (23.6)	398 (15.7)	66 (145.5)
ATI 800*	800 A	1375 (54.1)	775 (30.5)	600 (23.6)	125 (275.6)
ATI 1000*	1000 A	1375 (54.1)	775 (30.5)	600 (23.6)	130 (286.6)
ATI 1250*	1250 A	1800 (70.8)	1005 (39.6)	775 (30.5)	230 (507.1)
ATI 1600*	1600 A	1800 (70.8)	1005 (39.6)	775 (30.5)	330 (727.7)

*Floor standing. †Dimension A for the top cable entry model will change to 1350 mm (53.1 in)



CTI Panel Features

CTI Load Transfer Panel – Ratings 63 – 160 Amps

Key: - Standard Feature - Optional Feature

Programmable Countdown Timers
Set routine times for delay on starts, delay on transfer, delay on re-transfer and run on timer.



Auto/Manual/ Test Mode Status Indication
Allows on/off load tests at routine service checks.



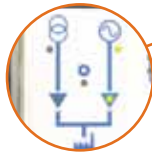
Solid Neutral Kit
Allows the connection of neutral cables from utility power, generator set and load without having the neutral broken by the switch during transfer operations.



LCD Display
Shows detailed status of system at all times for greater awareness and control.



System Status Indicators
Shows status of utility power, generator set and switch at all times.



Voltage Sensing Tap
Allows for pole voltage sensing.



Wall Mounting Kit
Panel can be wall mounted for greater flexibility in positioning.



Terminal shroud
For added protection.



Keypad
For straightforward programming and testing. Password protection is included.



Padlockable
Switch can be padlocked in all three positions for added security and safety. Only possible in manual operation mode.



Manual Handle
Fully integrated handle for manual operation.



Auxiliary Contacts
Auxiliary/volt free contacts for remotely monitoring the switch position.



Control Terminals
Generator set remote start signal and terminals for remotely monitoring the system.



Auxiliary Controls
Auxiliary inputs for automatic control, remote test on load and manual re-transfer.



Top and Bottom Cable Entry
Aids ease of installation



Ingress Protection IP54
Protection for the control panel



Load Terminal Extensions
Improving ease of installation



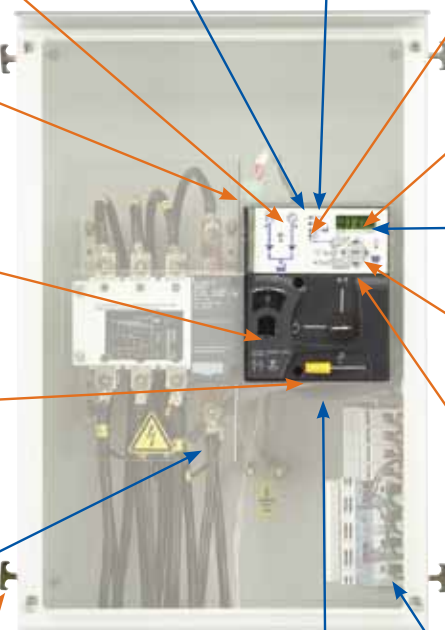
Lightning Protection
Ensuring system safety



ATI Panel Features

ATI Load Transfer Panel – Ratings 250 – 1600 Amps

Key: ○ – Standard Feature □ – Optional Feature



RS485 Communications Module
Enables access to the system remotely through telephone or PC via modem.

System Status Indication
Shows status of utility power, generator set and switch at all times.

Two Wire Start Signal
Simple two wire connection for automatic control.

Manual Handle
Fully integrated handle for manual operation.

Padlockable
Switch can be padlocked in all three positions for added security and safety.

Solid Neutral
Allows the connection of neutral cables from utility power, generator set and load without having the neutral broken by the switch during transfer operations.

Wall Mounting Kit
Panel can be wall mounted for greater flexibility in positioning (ATI 250 and 400).

Bottom Gland Plate
Removable gland plate providing increased accessibility with a sizeable area for utility power and generator set cables to be connected.

Volt Free Contacts
For power available and generator available.

Auto/Manual/Test Mode Status Indication
Allows on/off load tests at routine service checks.

LCD Display
Shows detailed status of system at all times for greater awareness and control.

Power Metering
To measure load current, kW, kVA, power factor.

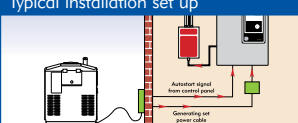
Keypad
For straightforward programming and testing. Password protection is included.

Programmable Countdown Timers
Set routine times for delay on starts, delay on transfer, delay on re-transfer and run on timer.

Lightning Protection
Ensures the safety of system during lightning storms (includes volt free contacts for utility power and generator set).

Auxiliary Contacts
Auxiliary / volt free contacts for remotely monitoring system; switch position, padlock and automatic or manual operation.

Installation
Typical installation set up



Wall Mounting Panels
Wall mount with ease – includes fittings



Ingress Protection IP54
Protection for the control panel



Top Cable Entry
Aids eased installation

