

# Automatic Transfer Switches 2016.1

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## Introduction

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As a wholly British owned company Craig & Derricott have been designing, manufacturing and supplying low voltage electrical control and switchgear for over 70 years. Today our customers extend around the world and operate in a wide variety of markets and sectors including Railway, Construction, Ventilation (Fire rated), Explosion proof, Medical, Military, Panel builders and Power & Distribution.

Based in the UK and certified to ISO 9001 we offer a wide range of assembled Automatic Transfer Switch (ATS) solutions which are detailed in this catalogue.

Simply visit our website to find the contact details for your local Area Sales Manager who will be pleased to offer advice.



## Automatic Transfer Switches (ATS) Index

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## Automatic Transfer Switches (ATS)

Automatic Transfer Switches (ATS) are installed wherever essential supplies have to be maintained. Primary applications where life safety in a work place, high-rise residential, public domain, or to maintain supplies to a vital process, the fast and efficient transfer of power from multiple sources, is automatically managed by the ATS unit. The “standby” source of power can either be from an embedded generator or from a standby supply, either of which can be accommodated in Craig & Derricott’s range of ATS systems.

Ratings from 32A to 800A, the ATS units can be mounted indoors or outdoors to any wall or framework. With both top and bottom gland plates, the ATS is a versatile solution for any electrical supply. Each unit has local status indicator lamps and an Auto/Test switch.

Craig and Derricott design the ATS units to be operational in a variety of installations such as hospitals, water and gas distribution facilities, airports, banking computers, data centres, shopping centres, offices, apartments and railway - wherever there is a critical need for the automatic transfer of power from permanent mains/duty to an alternative generator/standby supply.

The ATS can be configured for a Mains (Duty) and Generator (Standby) or dual Mains applications.

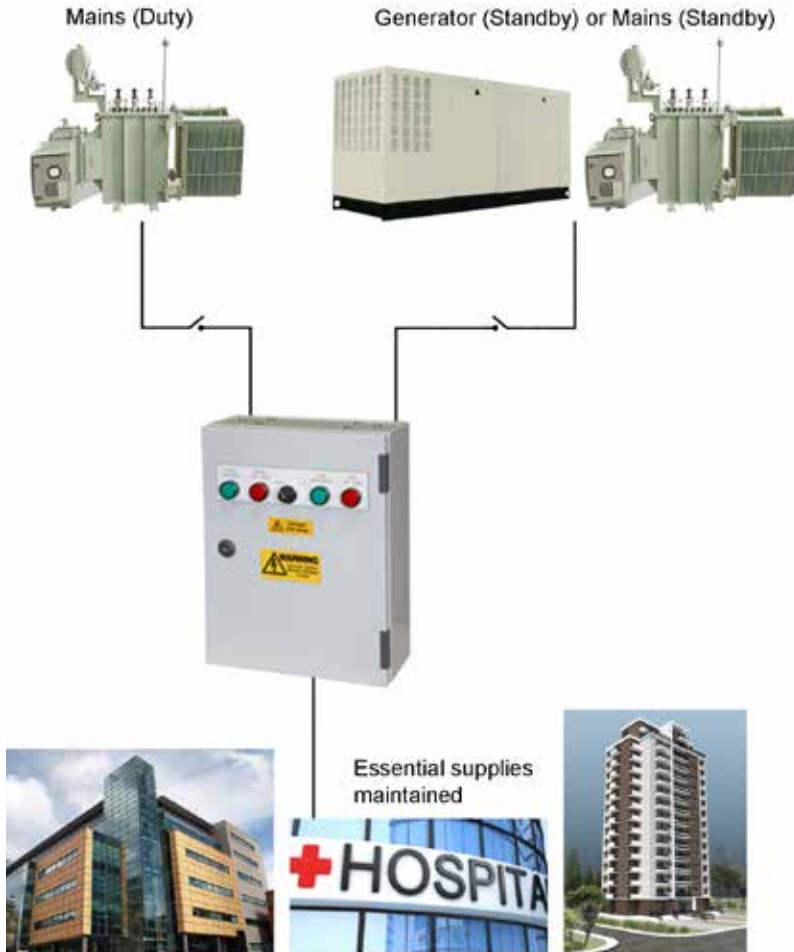


Typical Combination ATS units fully installed



## Automatic Transfer Switches (ATS)

The diagram below illustrates a typical arrangement of where the ATS is located.



For high-rise residential applications, where life-safety is required, the Standard ATS must be installed within a Fire Protected Room. If a Fire Protected Room is not available, then the ATS can be installed in a special certified enclosure. Contact our sales team for more information.



## Standard Automatic Transfer Switches (ATS)

At the core of each system is a three/four pole changeover device. The 'Standard' range utilises electromechanical interlocked contactors and provides all of the essential requirements to automatically transfer between supplies. The mains/generator configured unit is provided with a normally open / normally closed generator start signal and a 230Vac aux supply. The units have configurable parameters for under-voltage and time delay requirements. Local door mounted light indicators show the availability of the supplies and the status of the contactors.

A Deep Sea Control Module, with a self-seeking power supply is available as an alternative to the standard relay/timer configuration for controlling the automatic "transfer" from one power supply to another. See Page 11 for more information.

## Technical Features

- Electro-mechanical interlocked 3/4 pole AC1 rated contactor.
- Volt free contacts for remote generator start (N/O & N/C) (Applies to Mains / Generator configuration only).
- Supply available / supply on load status indication.
- Incoming supply adjustable Undervoltage and Time delay relays for setting individual supply parameters.
- Supplied with BXP4003/BXP2000 - a 3/1 phases & neutral Mains Supply Monitoring Relay.
- Changeover time adjustable to 50m/s.
- Removable Top and Bottom Gland plates.
- Metal locks supplied with one key per enclosure.
- All cabling to be LSZH (Low Smoke Zero Halogen).
- IP65 Steel Enclosure (Stainless Steel optional).
- Paint finish – Polyester Powder Coat, Light Grey RAL7035.
- Optional DSE330 control module available.
- Compliant to EN 60947-4-1 & EN 60947-6-1.



*Typical 45A/63A Interior*



## Combination Automatic Transfer Switches (ATS)

The Combination ATS unit is supplied with two integral isolation switches. The ATS indicator / control panel and switch operating handle are behind an overall lockable door. The Range provides all the essential requirements for automatically switching from Mains (Duty) to Generator (Standby) or alternative Mains with local LED status indication and a BXP4003/ BXP2000 Mains supply monitoring relay.

A Deep Sea Control Module, with a self seeking power supply is available as alternative to the standard LED indicator panel for controlling the automatic changeover from one power source to another. See page 11 for more information.

## Technical Features

- Electro-mechanical interlocked 3/4 pole AC1 rated contactor.
- Volt free contacts for remote generator start (N/O & N/C) (Applies to Mains / Generator configuration only).
- Incoming supply adjustable Undervoltage and Time delay relays for setting individual supply parameters.
- Supplied with BXP4003/BXP2000 - a 3/1 phases & neutral Mains Supply Monitoring Relay.
- Changeover time adjustable to 50m/s.
- Second external door included.
- IP65 Steel Enclosure (Stainless Steel optional).
- Removable Top and Bottom Gland Plates.
- Metal locks supplied with one key per enclosure.
- All cabling to be LSZH (Low Smoke Zero Halogen).
- Supply available status indication.
- Incoming isolation (2 x isolators).
- Form 4 type 2 separation.
- Terminal blocks for easy fit cable installation.
- Paint finish – Polyester Powder Coat, Light Grey RAL7035.
- Optional DSE331 control module available.
- Compliant to EN 60947-4-1 , EN 60947-3 & EN 60947-6-1.



Combination ATS with external door open





## Automatic Transfer Switch for London Underground

The ATS units are supplied with two integral isolation switches. The ATS indicator / control panel and switch operating handle are behind an overall lockable door. The range provides all the necessary requirements for automatically switching from Mains (Duty) to Generator (Standby) or alternative Mains with local status indication and a supply monitoring relay.

Built in a IP65 stainless steel enclosures, the ATS units are manufactured to LU 1-085 fire safety performance of materials, with LSZH (low Smoke Zero Halogen) cables.

The Automatic Transfer Switches (ATS) are supplied with a DSE333 electronic controller and DSE160 self-seeking power supply, providing a configurable controlled system where the customer can program using the electronic user interface or PC.

The range is available 32A to 400A ratings and provides all the essential requirements for automatically switching from Mains (Duty) to Generator (Standby) or Mains (Standby).





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## LUL Standard ATS

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- Automatic supply transfer control.
- Electro-mechanical interlocked 3/4 pole AC1 rated contactor.
- Compliant to EN 60947-4-1 & EN 60947-6-1.
- All metal locks supplied with one key per enclosure.
- All cabling to be LSZH (Low Smoke Zero Halogen).
- IP2X terminal covers fitted (if applicable).
- Removable top and bottom gland plates.
- Changeover time adjustable to 50m/s.
- Supply available status indication.
- Dual supply voltage monitoring.
- IP65 Stainless Steel Enclosure.
- Second external door included.
- External fixing feet included.

DSE333 electronic controller is accessible behind external overall door.



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## LUL Combination ATS

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As well as all of the listed features of a Standard ATS, the combination ATS includes:

- Compliant to EN 60947-4-1 , EN 60947-3 & EN 60947-6-1.
- Both incoming isolators fitted with door interlock rotary handles.
- Terminal blocks for easy fit supply cable installation.
- All hinged doors to be fitted with 1/4 turn locks.
- Incoming cables at bottom and outgoing at top.
- Top and bottom earth bonded gland plates.
- Incoming Isolation (2x isolators).
- Form 4 type 2 separation.



## Automatic Transfer Switch with Bypass

### Single Line Bypass (SL)

The unit provides the facility to “bypass” the Mains contactor within the ATS, by means of the manual sequential operation.

This allows the isolation of the Mains contactor, indicated by a door mounted light indicator.



### Dual Line Bypass (DL)

Used in critical installations this provides a “bypass” option on both supplies to the ATS by means of a manual sequential operation.

This allows the isolation of the Mains and Generator contactors, indicated by a door light indicators.



#### Enclosure

Grey (RAL7035) textured powder coated Zintec steel construction. Termination compartment with internal polycarbonate/terminal protection shrouds and external panel key lockable door. Top and bottom steel gland plate. Assembled to IP65.



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## ATS with Deep Sea Control (DSE)

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Our ATS with configurable DSE controller, is designed to interface with the control of the standby generator supply. The controller, with a DSE160 self-seeking power supply, monitors the incoming mains supply (single or three phase) for under voltage and frequency.

If the voltage falls out of the upper and lower pre determined limits, the module will issue a start command to the generator control panel to initiate the transfer of supplies. The controller continues to monitor the mains supply for a "return to mains" transfer. The mains return timer is set to allow the confirmation for a "stable" mains supply before the transfer back is carried out.

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## Deep Sea Control Features

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- Fully automatic transfer between supplies minimising the effects of power disruptions with facility for manual transfer.
- Reliable and maintenance free mains (utility) monitoring.
- Configurable inputs.
- Configurable outputs.
- Clear back lit LCD screen.
- LED indicators show status.
- Start inhibit.
- Load inhibit.
- User friendly set-up and button layout.

Craig and Derricott offer the option to have Deep Sea Control Devices built into any of our Automatic Transfer Switch Ranges. Contact our sales team today to discuss your options in more detail.



DSE330 - for our Standard ATS range



DSE331 - for our Combination ATS range



DSE333 - for our London Underground ATS range



Standard ATS unit with DSE330



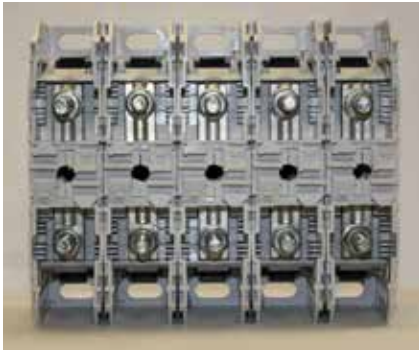
IP Protection Rainhood



External Fixing Feet



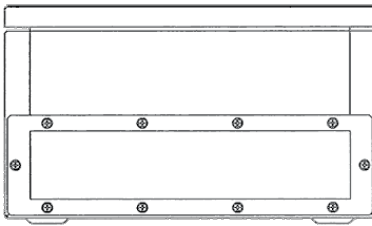
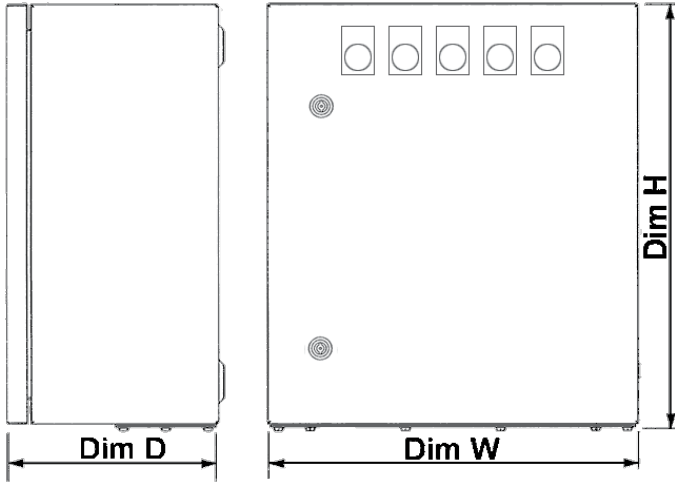
Customer Termination  
(not shown on main assembly)



Neutral Link for total circuit isolation (control circuit)



## Standard Automatic Transfer Switches



## Standard ATS Dimensions

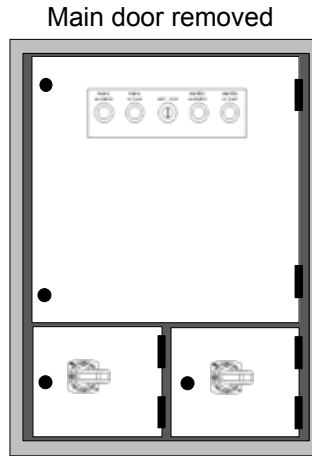
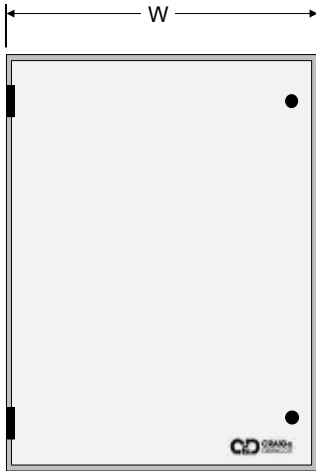
## ATS with Bypass Dimensions

|        | H    | W   | D   |
|--------|------|-----|-----|
| Size A | 400  | 300 | 150 |
| Size B | 600  | 400 | 250 |
| Size C | 700  | 500 | 250 |
| Size D | 800  | 600 | 300 |
| Size E | 1000 | 800 | 300 |

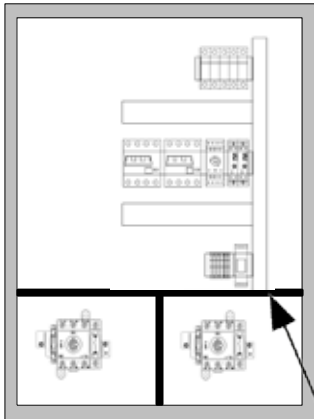
|        | H    | W   | D   |
|--------|------|-----|-----|
| Size A | 600  | 400 | 250 |
| Size B | 800  | 600 | 300 |
| Size C | 900  | 700 | 300 |
| Size D | 1000 | 800 | 300 |



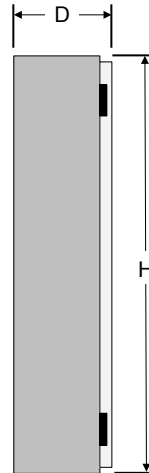
## Combination Automatic Transfer Switches



Secondary doors removed



Form 4 type 2 separation



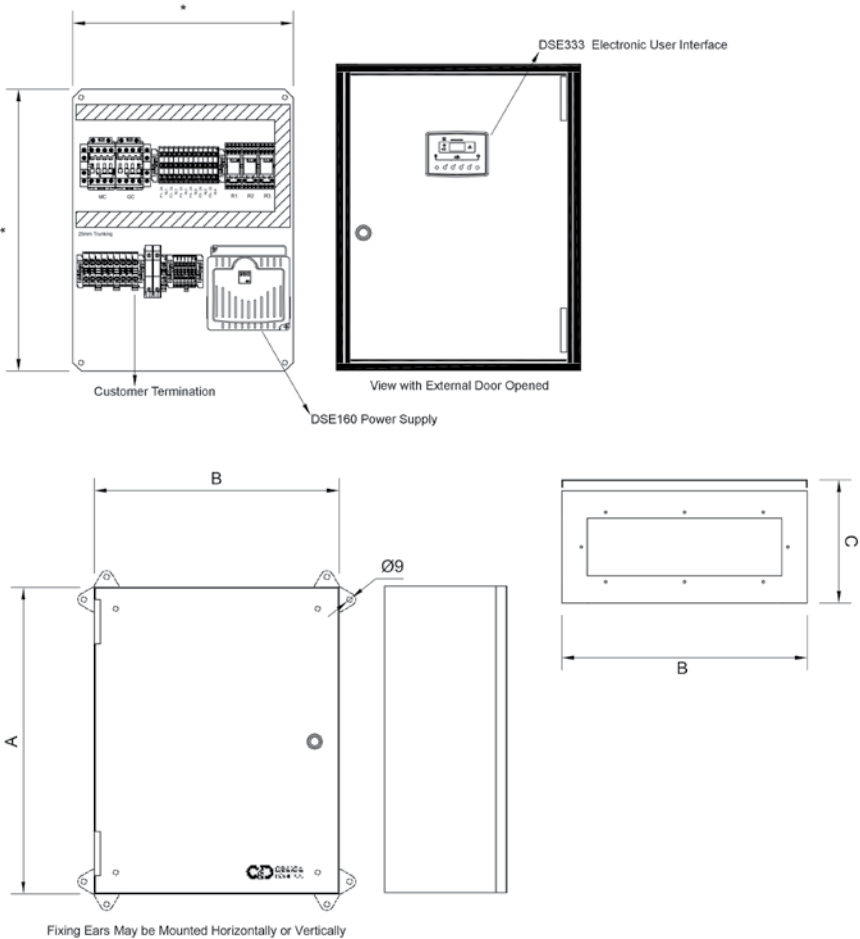
|         | H    | W    | D   |
|---------|------|------|-----|
| Size 1A | 600  | 500  | 250 |
| Size 1B | 900  | 600  | 300 |
| Size 1C | 1200 | 600  | 400 |
| Size 1D | 1400 | 800  | 400 |
| Size 1E | 1600 | 1000 | 400 |
| Size 1F | 1900 | 1000 | 400 |





## LUL Automatic Transfer Switches

### Standard Automatic Transfer Switches

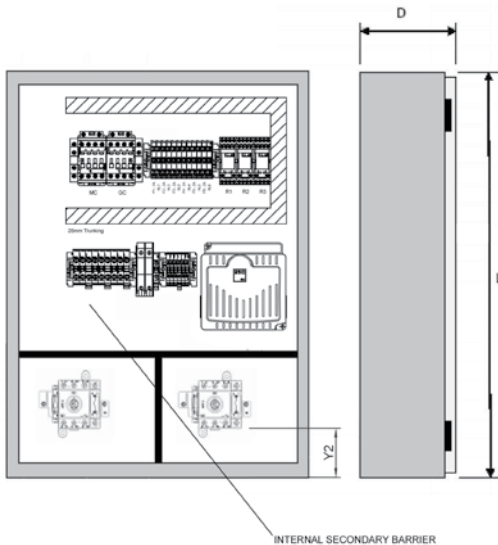
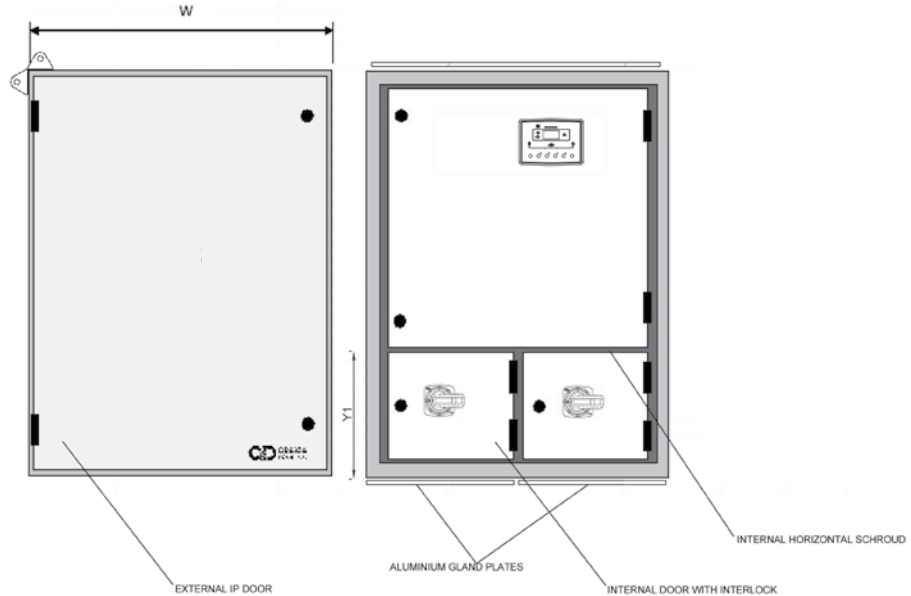


|        | Rating    | A    | B   | C   |
|--------|-----------|------|-----|-----|
| Size A | 32A / 45A | 500  | 400 | 250 |
| Size B | 63A       | 700  | 500 | 250 |
| Size C | 100A      | 700  | 500 | 250 |
| Size D | 160A      | 800  | 600 | 250 |
| Size E | 200A      | 800  | 600 | 250 |
| Size F | 400A      | 1000 | 800 | 300 |



## LUL Automatic Transfer Switches

### Combination Automatic Transfer Switches



|        | Rating     | L    | W   | D   | Y1   | Y2   |
|--------|------------|------|-----|-----|------|------|
| Size A | 32A/ 45A   | 600  | 500 | 250 | 1200 | 1500 |
| Size B | 63A        | 900  | 650 | 300 | 750  | 800  |
| Size C | 100A/ 125A | 900  | 650 | 300 | 400  | 400  |
| Size D | 160A/ 200A | 1200 | 750 | 400 | 400  | 700  |
| Size E | 400A       | 1500 | 800 | 200 | 200  | 315  |

Dimensions



## Standard Automatic Transfer Switches (ATS)

Catalogue Numbers

| Catalogue Numbers |        |                                       |                                  |        |                                      |                                 |                |
|-------------------|--------|---------------------------------------|----------------------------------|--------|--------------------------------------|---------------------------------|----------------|
| Rating            | Format | Single Phase Mains/ Generator Cat No. | Single Phase Mains/Mains Cat No. | Format | Three Phase Mains/ Generator Cat No. | Three Phase Mains/Mains Cat No. | Enclosure size |
| 32A               | 2P     | ATS0322B                              | ATS0322BM                        | 4P     | ATS0324B                             | ATS0324BM                       | A              |
| 45A               | 2P     | ATS0452B                              | ATS0452BM                        | 4P     | ATS0454B                             | ATS0454BM                       |                |
| 63A               | 2P     | ATS0632B                              | ATS0632BM                        | 4P     | ATS0634B                             | ATS0634BM                       |                |
| 90A               | 2P     | ATS0902B                              | ATS0902BM                        | 4P     | ATS0904B                             | ATS0904BM                       | B              |
| 100A              | 2P     | ATS1002B                              | ATS1002BM                        | 4P     | ATS1004B                             | ATS1004BM                       |                |
| 110A              | 2P     | ATS1102B                              | ATS1102BM                        | 4P     | ATS1104B                             | ATS1104BM                       |                |
| 125A              | 2P     | ATS1252B                              | ATS1252BM                        | 4P     | ATS1254B                             | ATS1254BM                       |                |
| 160A              | 2P     | ATS1602B                              | ATS1602BM                        | 4P     | ATS1604B                             | ATS1604BM                       | C              |
| 200A              | 2P     | ATS2002B                              | ATS2002BM                        | 4P     | ATS2004B                             | ATS2004BM                       | D              |
| 250A              | 2P     | ATS2502B                              | ATS2502BM                        | 4P     | ATS2504B                             | ATS2504BM                       |                |
| 275A              | 2P     | ATS2752B                              | ATS2752BM                        | 4P     | ATS2754B                             | ATS2754BM                       |                |
| 300A              | 2P     | ATS3002B                              | ATS3002BM                        | 4P     | ATS3004B                             | ATS3004BM                       |                |
| 350A              | 2P     | ATS3502B                              | ATS3502BM                        | 4P     | ATS3504B                             | ATS3504BM                       |                |
| 400A              | 2P     | ATS4002B                              | ATS4002BM                        | 4P     | ATS4004B                             | ATS4004BM                       |                |
| 450A              | 2P     | ATS4502B                              | ATS4502BM                        | 4P     | ATS4504B                             | ATS4504BM                       |                |
| 500A              | 2P     | ATS5002B                              | ATS5002BM                        | 4P     | ATS5004B                             | ATS5004BM                       |                |
| 550A              | 2P     | ATS5502B                              | ATS5502BM                        | 4P     | ATS5504B                             | ATS5504BM                       |                |
| 600A              | 2P     | ATS6002B                              | ATS6002BM                        | 4P     | ATS6004B                             | ATS6004BM                       |                |
| 650A              | 2P     | ATS6502B                              | ATS6502BM                        | 4P     | ATS6504B                             | ATS6504BM                       | E              |
| 700A              | 2P     | ATS7002B                              | ATS7002BM                        | 4P     | ATS7004B                             | ATS7004BM                       |                |
| 750A              | 2P     | ATS7502B                              | ATS7502BM                        | 4P     | ATS7504B                             | ATS7504BM                       |                |
| 800A              | 2P     | ATS8002B                              | ATS8002BM                        | 4P     | ATS8004B                             | ATS8004BM                       |                |

For DSE option, add suffix '/DSE' to catalogue number. E.g. ATS0322B/DSE  
 For Stainless Steel enclosure, add suffix '/SS' to catalogue number. E.g. ATS0322B/SS



## Combination Automatic Transfer Switches (ATS)

| Catalogue Numbers |        |                           |                       |                |
|-------------------|--------|---------------------------|-----------------------|----------------|
| Rating            | Format | Mains / Generator Cat No. | Mains / Mains Cat No. | Enclosure Size |
| 32A               | 4P     | ATSSD0324B                | ATSSD0324BM           | 1A             |
| 45A               | 4P     | ATSSD0454B                | ATSSD0454BM           |                |
| 63A               | 4P     | ATSSD0634B                | ATSSD0634BM           | 1B             |
| 90A               | 4P     | ATSSD0904B                | ATSSD0904BM           |                |
| 100A              | 4P     | ATSSD1004B                | ATSSD1004BM           |                |
| 110A              | 4P     | ATSSD1104B                | ATSSD1104BM           |                |
| 125A              | 4P     | ATSSD1254B                | ATSSD1254BM           |                |
| 160A              | 4P     | ATSSD1604B                | ATSSD1604BM           | 1C             |
| 200A              | 4P     | ATSSD2004B                | ATSSD2004BM           |                |
| 250A              | 4P     | ATSSD2504B                | ATSSD2504BM           |                |
| 275A              | 4P     | ATSSD2754B                | ATSSD2754BM           | 1D             |
| 300A              | 4P     | ATSSD3004B                | ATSSD3004BM           |                |
| 350A              | 4P     | ATSSD3504B                | ATSSD3504BM           |                |
| 400A              | 4P     | ATSSD4004B                | ATSSD4004BM           |                |
| 450A              | 4P     | ATSSD4504B                | ATSSD4504BM           | 1E             |
| 500A              | 4P     | ATSSD5004B                | ATSSD5004BM           |                |
| 550A              | 4P     | ATSSD5504B                | ATSSD5504BM           |                |
| 600A              | 4P     | ATSSD6004B                | ATSSD6004BM           | 1F             |
| 650A              | 4P     | ATSSD6504B                | ATSSD6504BM           |                |
| 700A              | 4P     | ATSSD7004B                | ATSSD7004BM           |                |
| 750A              | 4P     | ATSSD7504B                | ATSSD7504BM           |                |
| 800A              | 4P     | ATSSD8004B                | ATSSD8004BM           |                |

For DSE option, add suffix '/DSE' to catalogue number. E.g. ATSSD0324B/DSE

For Stainless Steel enclosure, add suffix '/SS' to catalogue number. E.g. ATSSD0324B/SS



## Automatic Transfer Switch with Bypass

### Catalogue Numbers

| ATS with Single Line Bypass |                            |                        |                |
|-----------------------------|----------------------------|------------------------|----------------|
| Rating                      | Mains / Generator Cat. No. | Mains / Mains Cat. No. | Enclosure Size |
| <b>32A</b>                  | ATS0324B/SL                | ATS0324BM/SL           | A              |
| <b>45A</b>                  | ATS0454B/SL                | ATS0454BM/SL           |                |
| <b>100A</b>                 | ATS1004B/SL                | ATS1004BM/SL           | B              |
| <b>125A</b>                 | ATS1254B/SL                | ATS1254BM/SL           |                |
| <b>160A</b>                 | ATS1604B/SL                | ATS1604BM/SL           | C              |
| <b>250A</b>                 | ATS2504B/SL                | ATS2504BM/SL           | D              |

| ATS with Dual Line Bypass |             |              |                |
|---------------------------|-------------|--------------|----------------|
| Rating                    | Cat. No.    | Cat. No.     | Enclosure Size |
| <b>32A</b>                | ATS0324B/DL | ATS0324BM/DL | A              |
| <b>45A</b>                | ATS0454B/DL | ATS0454BM/DL |                |
| <b>100A</b>               | ATS1004B/DL | ATS1004BM/DL | B              |
| <b>125A</b>               | ATS1254B/DL | ATS1254BM/DL |                |
| <b>160A</b>               | ATS1604B/DL | ATS1604BM/DL | C              |
| <b>250A</b>               | ATS2504B/DL | ATS2504BM/DL | D              |

## Automatic Transfer Switch for London Underground

### Catalogue Numbers

| Rating | Standard LUL ATS<br>(Mains / Mains) | Enc. Size | Combination LUL ATS<br>(Mains / Mains) | Enc. Size |
|--------|-------------------------------------|-----------|--|-----------|
| 32A    | ATS0324BM/DSE/LUL/SS                | A         | ATSSD0324BM/DSE/LUL/SS                 | A         |
| 45A    | ATS0454BM/DSE/LUL/SS                |           | ATSSD0454BM/DSE/LUL/SS                 |           |
| 63A    | ATS0634BM/DSE/LUL/SS                | B         | ATSSD0634BM/DSE/LUL/SS                 | B         |
| 100A   | ATS1004BM/DSE/LUL/SS                | C         | ATSSD1004BM/DSE/LUL/SS                 | C         |
| 160A   | ATS1604BM/DSE/LUL/SS                | D         | ATSSD1604BM/DSE/LUL/SS                 | D         |
| 200A   | ATS2004BM/DSE/LUL/SS                | E         | ATSSD2004BM/DSE/LUL/SS                 |           |
| 400A   | ATS4004BM/DSE/LUL/SS                | F         | ATSSD4004BM/DSE/LUL/SS                 | E         |



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## Principal of Operations

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### “Duty” - “Standby” - Load - Power Connections

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- Connect the Incoming “Duty” cables, N, L1, L2 & L3 (in the correct sequence) to the Bottom of the “Duty” Contactor DC.
- Connect the Incoming “Standby” cables, N, L1, L2 & L3 (in the correct phase sequence) to the Bottom of the “Standby” Contactor SC.
- Connect the outgoing Load cables, N, L1, L2, & L3 (in the correct phase sequence) to the Top of either contactor, DC or SC. These are already fitted with “Linking Cables”.

Once the above connections have been made a terminal tightness check should be made to ensure that all connections are tight (do not over tighten).

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## Pre energisation checks

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- Check phase rotation of all cables
- Check all control circuit cables are in place. (on contactor main poles)
- Check enclosure for swarf and debris
- Check generator start signal cables are connected
- Check timer settings and PFR settings to customer requirements, adjust if necessary.

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## Power on Checklist

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- Ensure the system is selected to “Duty”, (Usually a front mounted key switch).
- “Duty” supply available lamp is illuminated (on door)
- “Standby” supply available lamp illuminated (on door)
- 

### **THE PHASE FAILURE RELAY**

Check “visually” That the Phase Failure Relay has 2 illuminated LED’s

- Green LED indicates power is connected.
- Red LED indicates the output relay is energised.

The output relay will only energise if,

- The phases are connected in the correct sequence.
- The voltage is above that set on the main dial.
- There is less than 15% imbalance between phases.
- There is less than 10% neutral shift

Single phase units only confirm the voltage is above that set on the main dial. The smaller dial offers an adjustable time delay before the internal contact changes state, allowing the system to ride through momentary voltage dips.



## Control Functions

| Condition   | Action   |
|---|--|
| "Duty" Supply Healthy -->                           | "Duty" phase monitoring relay energises and "Duty" supply available lamp illuminates. (Green)                        |
| R1 energises and timer T1 starts to time closed     |  |
| T1 completed -->                                    | "Duty" contactor (DC) closes "on load" lamp illuminates (Red)  |
| "Duty" SUPPLY FED TO LOAD                           |  |
| "Duty" Supply Failure -->                           | DC opens and R1 de-energise both lamps are extinguished.   |
| "Standby" Supply Healthy -->                        | Supply to "Standby" control circuit and "Standby" supply available lamp illuminates. (Green)                         |
| Timer T2 starts to time closed                      |  |
| T2 completed -->                                    | "Standby" contactor (SC) closes "on load" lamp illuminates (Red)   |
| "Standby" SUPPLY FED TO LOAD                        |  |
| "Duty" return -->                                   | "Mains" phase monitoring relay energises, "duty" supply available lamp is illuminated.                               |
| R1 energises and timer T1 starts to time closed --> | R1 contact opens and de energises the "Standby" control circuit, SC opens, "Standby" "on load" lamp is extinguished. |
| SC de-energised -->                                 | "Standby" supply disconnected from LOAD  |
| T1 completed -->                                    | DC closes, "duty" "on load" lamp is illuminated.   |
| "Duty" SUPPLY FED TO LOAD                           |  |

### TIMER T1 (DRT)

"Duty" Return Timer T1

Normally set to around 6 seconds, this can be adjusted to suit application requirements.

A minimum of 2 seconds should be considered, especially with ACB's to ensure mechanical interlocks have operated correctly before electrical energisation takes place.

This is usually a multi-function timer set to operate as a DELAY ON.

Refer to the timer data sheet for operation instructions.

### TIMER T2

"Standby" on load timer T2

Normally set to around 2 seconds, this can be adjusted to suit application requirements.

### MODE KEY SWITCH – (Front Panel)

#### TWO (2) POSITION KEY SWITCH.

- "Duty" Automatic mode – Function as per the above table.
- "Standby" Simulates a "Duty" supply failure to test the ATS control functions.





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## Contact Us

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At C&D we believe that providing great customer service is vital. Our staff are dedicated to help support you with your order both before you buy and after your purchase.

Contact our experienced advisors, Monday-Friday 8am-5pm, who will be able to answer your question quickly and provide you with reliable information:

e: [sales@craigandderricott.com](mailto:sales@craigandderricott.com)  
t: +44(0) 1543 375 541  
f: +44(0) 1543 361619

Alternatively you can contact us through the 'Contact Page' on our website and we will respond to your enquiry within 24 hours Monday-Thursday, if your enquiry is submitted on a Friday we will respond to you the following Monday.

[www.craigandderricott.com](http://www.craigandderricott.com)

### Write to us:

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All images shown are examples of our typical equipment and for guidance only. Please contact us to discuss your requirements.

