

Technical Data Sheet

Standard Automatic Transfer Switches (ATS)

CDPD88
Issue 1

General Description

Automatic Transfer Switches (ATS) are essential wherever substantial power has to be maintained. Whether it's to ensure people's safety in a work or public space, or to maintain essential supplies to a vital process, the fast and efficient transfer of power is automatically managed by the ATS system. The second source of power can either be from a generator or from an alternative/stand-by source. Either of which can be accommodated in Craig & Derricott's range of ATS systems.

At the core of each system is a four pole changeover device. The 'Standard' range utilises electromechanical contactors and provides all of the essential requirements for automatically providing a replacement power source. Facilities are provided to control the 'start-up' of standby generators manually and to set the undervoltage values and the required time delay. Main LED indicator lights show the status of the supplies.

Units are rated from 32A to 800A. The fast and efficient transfer of power is automatically managed by the ATS systems. The standby source of power can either be from a generator or from an alternative mains supply.



Technical Features

- Electro-mechanical interlocked 4 pole AC1 rated contactor
- Rated Voltage 230V or 400V ac
- Utilization category AC1 (for other categories, please contact Craig & Derricott)
- Rated frequency 50Hz
- Volt-free changeover, x3 contacts for BMS systems - Rated 250V 7A
- Supplies available indication
- Duty supply monitoring - under-voltage & loss of phase
- Adjustable timers for time delay between changeover
- Adjustable generator start timer
- Changeover time adjustable from 50 m/s
- Removable top and bottom gland plates
- Aux single phase supply - 20A fuse protected
- Auto / test switch supplied with 2 keys
- Enclosure - IP65 sheet steel with light grey RAL 7035 paint finish. Lockable, supplied with one key

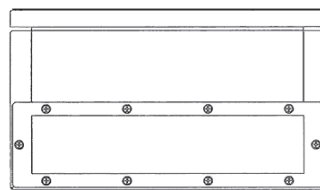
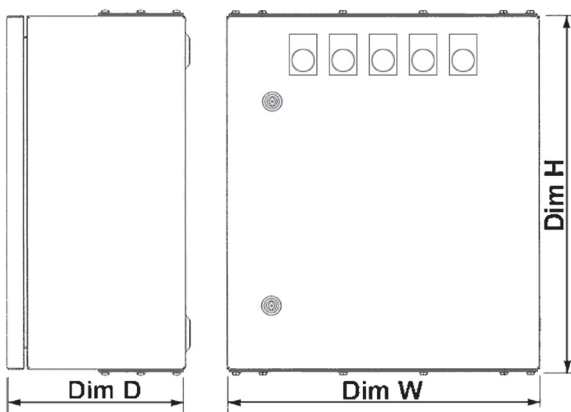
Other ratings are available on request.

Applied standards: BS EN / IEC 60947-4 | BS EN / IEC 60947-1 |
BS EN / IEC 60947-6-1

Catalogue Numbers

| Rating | Format | Single Phase Cat No. | Format | Three Phase Cat No. | Encl. size |
|--------|--------|----------------------|--------|---------------------|------------|
| 32A | 2P | ATS0322 | 4P | ATS0324 | A |
| 45A | 2P | ATS0452 | 4P | ATS0454 | A |
| 63A | 2P | ATS0632 | 4P | ATS0634 | B |
| 100A | 2P | ATS1002 | 4P | ATS1004 | B |
| 125A | 2P | ATS1252 | 4P | ATS1254 | B |
| 160A | 2P | ATS1602 | 4P | ATS1604 | C |
| 200A | 2P | ATS2002 | 4P | ATS2004 | C |
| 250A | 2P | ATS2502 | 4P | ATS2504 | C |
| 300A | 2P | ATS3002 | 4P | ATS3004 | C |
| 350A | 2P | ATS3502 | 4P | ATS3504 | C |
| 400A | 2P | ATS4002 | 4P | ATS4004 | C |
| 650A | 2P | ATS6502 | 4P | ATS6504 | D |
| 800A | 2P | ATS8002 | 4P | ATS8004 | D |

Dimensions



| | H | W | D |
|---|------|-----|-----|
| A | 400 | 300 | 150 |
| B | 600 | 400 | 250 |
| C | 800 | 600 | 300 |
| D | 1000 | 800 | 300 |