

Auto Transfer Switch (Enclosed)

The ideal commercial fully automatic changeover switch system from IPD. Available in 4P designs the CCF range is a compact changeover switch with an optional motor drive. Add the ComAp ATS relay and you have a fully automatic mains to generator stand-by supply system.



Switching

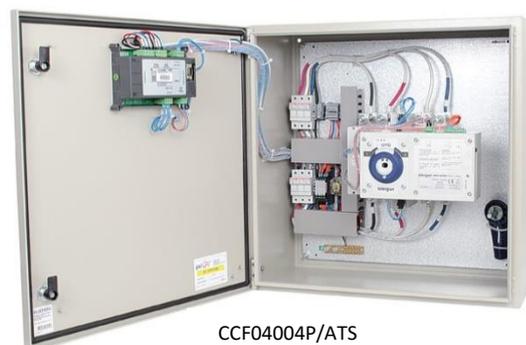
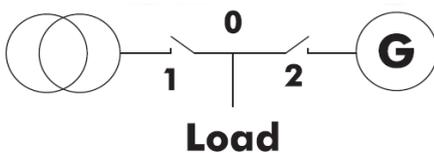
Designed around the latest high current AC changeover switches from **Telergon**, the compact CCF series with their internal load side connections meet the latest International Standard IEC 60947.3 with switching capability up to AC22B. This makes the CCF series ideal for main incoming supplies.

The new Telergon motor drive allows for convenient and easy configuration for electrical operation. In the event of failure or should manual operation be required, the manual handle can be inserted, automatically disconnecting the control system. Once the handle is removed the circuit switches back for normal operation.

Relay

The **ComAp** ATS relay is a fully integrated electronic control system for monitoring mains supply, starting a stand-by generator and switch back to mains when normal supply is available again. IntelliATS^{NT} is an easy to program fully automatic control relay, programmable either via the front display or via RS 232.

IntelliATS^{NT} is a comprehensive Automatic Transfer Switch controller designed to monitor AC mains supply (1 or 3 phases) for under & over voltage, under & over frequency and unbalance. In the case of any mains supply disproportion it will send a remote start signal to the gen-set and make change over for both mains and generator supplies.



CCF04004P/ATS

The IntelliATS has an easy to read front fascia to show exact switch position and source of supply. The front display can be switched between User and Engineer modes. User mode shows values, alarms and changes the languages. In Engineer mode you can change settings, monitor all values and check the event history.

Relay Features

1. Under and Over voltage
2. Voltage unbalanced
3. Frequency shift
4. Generator remote start
5. Engine Start delay
6. Engine Run-on Delay
7. Mains Stability Delay
8. Event logging date and time
9. Sealed front fascia up to IP65 degree of protection
10. PC configuration and monitoring via RS232
11. Power supply range from 8V to 36V DC
12. 4 binary inputs
13. 4 binary outputs
14. Plug-in connections
15. Communications



IA-NT-STD

- Optional RS232 (including Modem support), RS485 or USB plug-in interface
- Modbus RTU / TCP (requires RS485 interface / IB-Lite)
- Optional Internet connection with Ethernet via IB-Lite
- Online control and monitoring over web pages via IB-Lite (embedded Web server)
- Optional GSM modem/wireless

WebSupervisor

The WebSupervisor system, a secure cloud-based remote monitoring system which allows equipment fitted with various types ComAp units to be monitored via the Internet from a remote PC or other web enabled device such as smartphone, webbook, etc. It operates in any Internet browser and needs no special software to be installed. User can view recorded data from their equipment, receive email alerts on alarms and control the remote units. Dedicated applications for iPhone and Android provide a truly mobile constant connection with the monitored equipment.

Spec Sheet: Fully Automatic ATS

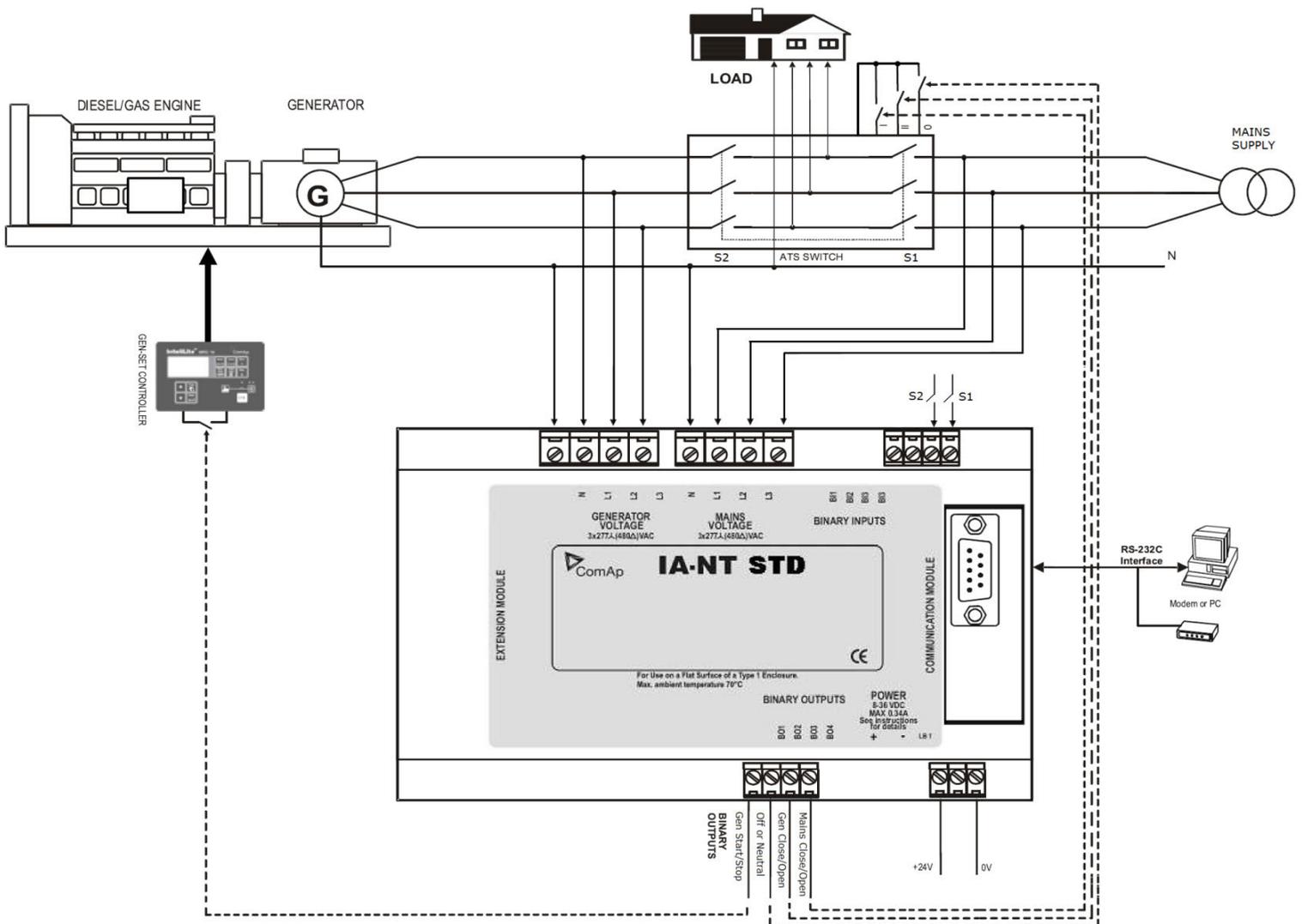
Features:-

- **Description:** Fully automatic mains / generator changeover switch disconnecter. Includes generator start signal following mains failure. The auto-start means back-up power can be started without the need for any manual control.
- **Application:** Main incoming supply switches.
- **Certification:** International Electrotechnical Commission IEC 60947.3, IEC 60269.6, IEC 529.



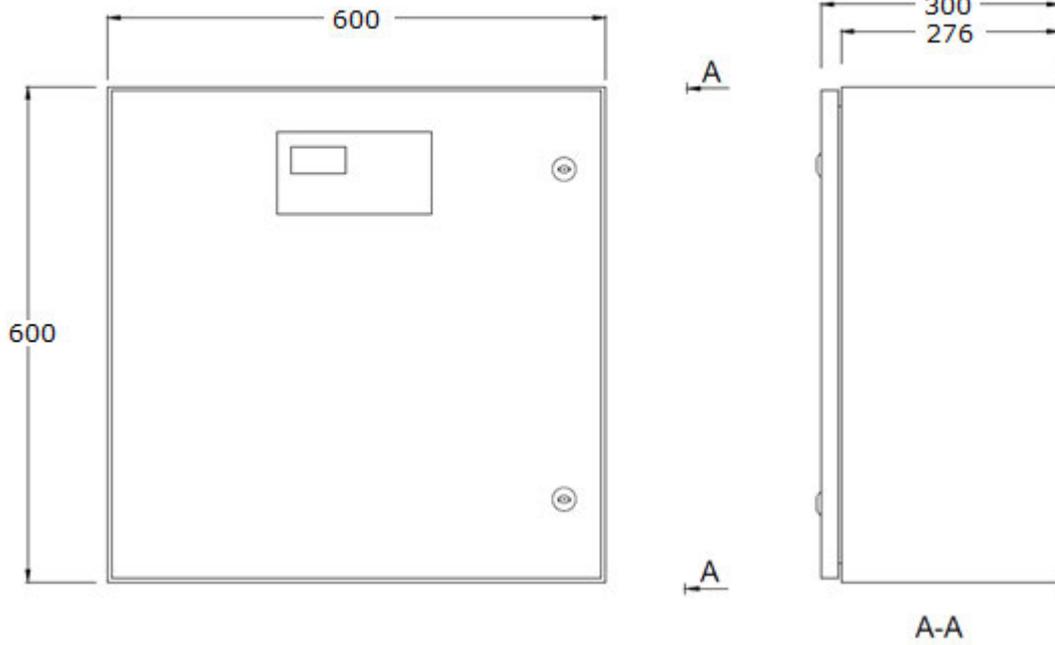
| Current (A) | No Poles | Enclosure Size | Protection | Catalogue Number |
|-------------|----------|---------------------|------------|----------------------|
| 200 | 4P / 4P | 600 x 600 x 300mm | IP65 | CCF02004P/ATS |
| 400 | 4P / 4P | 600 x 600 x 300mm | IP65 | CCF04004P/ATS |
| 630 | 4P / 4P | 1000 x 1200 x 400mm | IP65 | CCF06304P/ATS |

Circuit

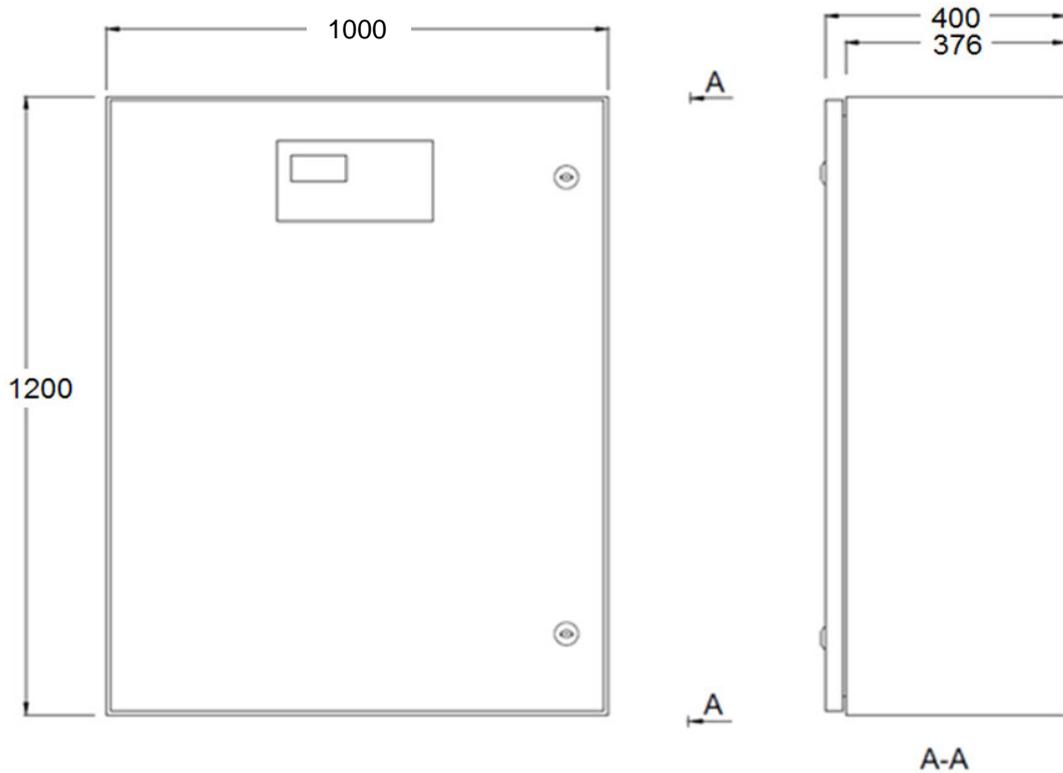


Dimensions

200A up to 400A



630A



Ratings

| | 200 | 400 | 630 |
|--|------------|-------------------|------------|
| <i>Free air thermal current (I_{th})</i> | 200 | 400 | 630 |
| <i>Rated insulation voltage (U_i)</i> | 1,000 | 1,000 | 1,000 |
| <i>Rated impulse withstand voltage (U_{imp})</i> | 8 | 8 | 8 |
| Rated operational current AC (I_e) | | | |
| <i>at 415V AC-21A</i> | 200 | 400 | 630 |
| <i>at 415V AC-22A</i> | 200 | 400 | 630 |
| <i>at 690V AC-21A</i> | 200 | 400 | 630 |
| <i>at 690V AC-22A</i> | 160 | 315 ¹⁾ | 630 |
| Rated breaking capacity (A) | 600 | 1,200 | 1,890 |
| Rated making capacity (A) | 600 | 1,200 | 1,890 |
| Rated short-cct making capacity (kA) | 12 | 12 | 20 |
| Short Time Withstand 415V (kA 1sec) | 8 | 8 | 13 |
| Mechanical Endurance (cycles) | 10,000 | 10,000 | 10,000 |
| Electrical Operations (cycles) | 1,000 | 1,000 | 1,000 |
| Weight 4P (kg) | 32.0 | 32.0 | 85.5 |
| Max Cable Size (mm²) | 240 | 240 | 2x240 |

Notes: ¹⁾AC22B only

For more options and special design contact your local IPD rep.

For system programming guides and additional technical data please visit www.ipdgroup.com.au.