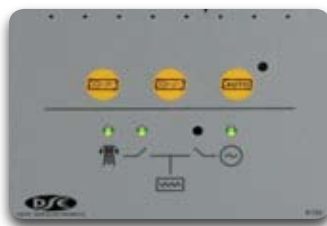


Mains to Generator ATS Panels

M2G DS705 ATS panels are designed for applications where the primary mains supply is backed up by a standby generator. The panel supplies a "Generator Start Signal" which is connected through the negative of the generator remote start input.

These panels feature:

- AC1 rated mechanically and electrically interlocked contactors.
- Micro processor based configurable graphic interface providing:
 - Auto, Manual OFF load and Manual ON load modes.
 - Adjustable under voltage limits for mains fail and return.
 - Configurable mains fail and return timers.
 - Adjustable generator warm up and cool down timers.
 - External LED status indication of supply healthy and in use.
 - Generator start signal.
 - Front of panel set up.
- Generator start signal connection.
- Remote generator start signal terminals.
- Remote close down terminals.



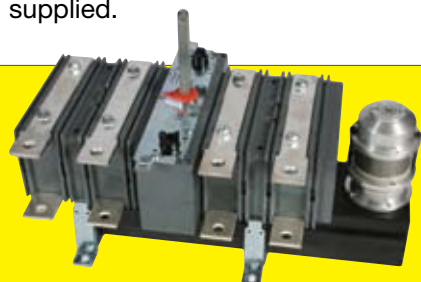
Panel operation:

- Auto Mode – Upon detection of mains failure the unit sends a start request to the generator control unit. Once the generator output is within limits the load will be switched to the generator. Upon mains return within limits the unit will switch the load to the mains.
- Manual Off Load Mode – This is used to manually start and run the generator off load for maintenance testing.
- Should the mains supply fail in this mode, then the load is transferred to the generator automatically.
- Manual On Load Mode - This mode is used to manually start and run the generator on load.

| Nominal Rating I _e | Cable Connection | *Control Voltage | Reference 2 Pole for single phase | Reference 4 Pole for three phase | Enclosure H x W x D |
|-------------------------------|------------------|------------------|-----------------------------------|----------------------------------|---------------------|
| 40A | 25mm cage | 12V DC | ATS 4/2 M2G DS705 | ATS 4/4 M2G DS705 | 600x400x200 |
| 63A | 25mm cage | 12V DC | ATS 6/2 M2G DS705 | ATS 6/4 M2G DS705 | 600x400x200 |
| 80A | 35mm cage | 12V DC | ATS 8/2 M2G DS705 | ATS 8/4 M2G DS705 | 700x500x200 |
| 100A | 35mm cage | 24V DC | ATS 10/2 M2G DS705 | ATS 10/4 M2G DS705 | 700x500x200 |
| 125A | 70mm cage | 24V DC | ATS 12/2 M2G DS705 | ATS 12/4 M2G DS705 | 800x600x250 |
| 160A | M10 lug | 24V DC | ATS 16/2 M2G DS705 | ATS 16/4 M2G DS705 | 1000x600x300 |
| 200A | M10 lug | 24V DC | | ATS 20/4 M2G DS705 | 1000x600x300 |
| 250A | M10 lug | 24V DC | | ATS 25/4 M2G DS705 | 1200x600x300 |

***Note:** All panels need a continuous DC supply to power the processor. This is normally taken from the generator battery, hence the control voltage has been selected to match the normal battery voltage. Other voltages can be catered for and alternative built in or stand alone maintainable power sources can be supplied.

| Description | Built in Suffix / | Stand alone reference |
|----------------------------------|-------------------|-----------------------|
| 12V DC maintainable power supply | /12V MPS | 160012 |
| 24V DC maintainable power supply | /24V MPS | 160024 |



- Switch based panels with manual override.
- MCCB & ACB based panels.
- Over current protection devices.
- Floor standing cabinets.
- Aluminium, Tufnol or brass gland plates.

