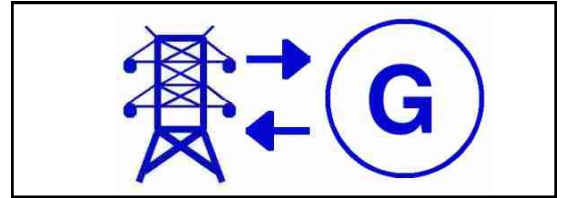


OVER VIEW

- Mechanically & electrically interlocked contactor pair, motorized switch or ACB's
- Auto / Generator test switch
- Control & monitoring fuses
- 3 Phase Mains (Utility) voltage monitoring
- Single phase generator voltage monitoring
- Configurable timers
- Robust mild steel enclosure
- Bottom entry gland plate
- Two wire generator start
- Panel status indicated by LED Lamps



DESCRIPTION & FUNCTION

The Blandon Systems ATS panel is used where the local Mains (utility) supply is backed up by an appropriately configured generating set (with a two wire start input). The ATS panel monitors the local Mains (Utility) supply and will request the generator to start if this supply should fail, or fall outside preset limits. The ATS panel will then control the switching of the load from the local supply to the generator. On return of the local Mains (Utility) supply the ATS panel will monitor it to ensure it is stable and then transfer the load from the generator back to the local supply. At this point the ATS panel will request the generator to stop.

The Blandon Systems ATS UVR is our economy range of ATS panels. It offers all of the control and monitoring functionality, associated with an ATS panel, with out the need of a control module. A phase failure relay is used for Mains (Utility) voltage monitoring and offers Under and Over voltage protection as well as phase sequence. The panel uses two timers. Timer one is used for the Mains (Utility) restoration setting, and controls the time period the Mains (Utility) supply has to be healthy before engaging the Mains contactor. Timer two controls the generator settling period, this time interval ensures the generator has ran up to speed and stabilised before a load is applied to the generator.

A two position selector switch is used for control. In the AUTO position all operations are automatic with the panel requesting the generator to start and stop when there is a failure of the Mails (Utility) supply. The second position TEST allows the generator to be started. On switching to the TEST position, the load will be removed from the Mains (Utility) supply and the generator requested to start, once running the generator will take load. Switching back to AUTO will stop the generator and transfer load back to the Mains (Utility) supply.

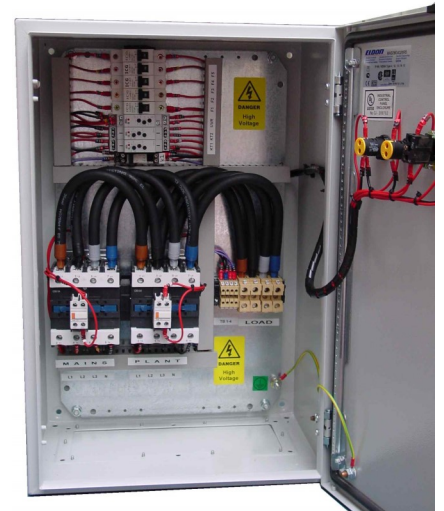
DIMENSIONS

Amps (AC1)	Enclosure Size* HxWxD (mm)
30A, 40A, 45A, 60 & 100A	400 x 300 x 200
125A	500 x 400 x 200
160A	600 x 600 x250
200A, 250A & 275A	800 x 600 x 250
315A, 350A & 400A	1000 x 800 x 300
630A & 800A	1200 x 800 x 400
1000A	1800 x 1000 x 500
1250A Plus	TBA

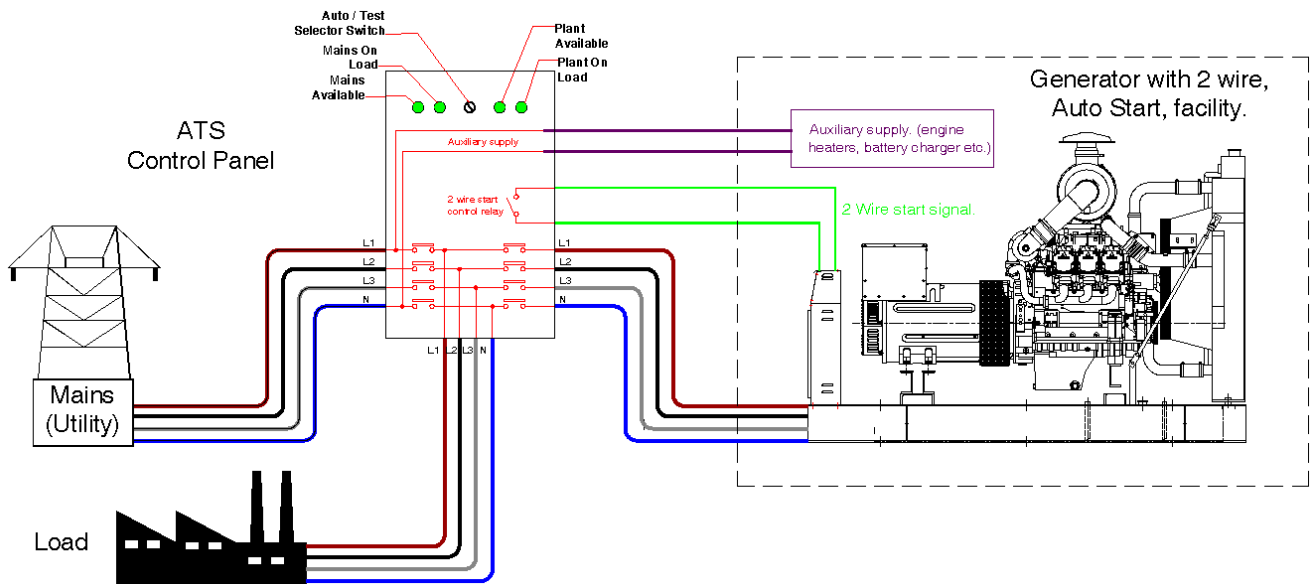
* Certain options may require a larger panel size.

SPECIFICATION

Contactors :	Four Pole
Utilization Category	Rated for AC1 operation
Led Indicators:	Mains Available, Mains On Load Gen Available, Gen On Load
Two wire generator start relay:	8 Amps
Sensing Relay (Mains Utility):	3 Phase
Phase sequence:	Yes
Under voltage adjustment (L - L):	Yes
Over voltage adjustment (L - L):	Yes
Mains restoration time (Multi delay timer):	0.1sec—10 days
Generator loading time (Multi delay timer):	time 0.1 sec—10 days
Auxiliary output:	16Amp
Switch modes:	2 position Auto & Test
Auto:	Generator starts / stops automatically
Test:	Generator starts and takes load



TYPICAL LAYOUT



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