

OVER VIEW

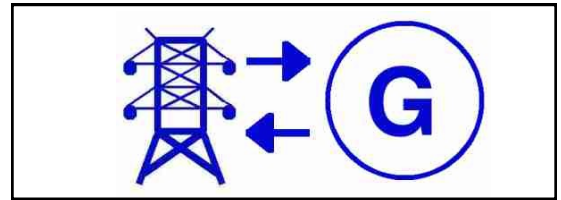
- Mechanically & electrically interlocked contactor pair
- Auto / Generator Test switch
- Miniature circuit breakers used for protection circuits
- Single Phase Mains (Utility) voltage monitoring
- Single phase generator voltage monitoring
- Configurable timers
- Robust mild steel enclosure
- Bottom entry gland plate
- Two wire generator start

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. An voltage sensing relay is used for Mains (Utility) voltage monitoring and offers Under and Over voltage protection. 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 (mm)
40 Amps	400x300x200
60 Amps	400x300x200
100 Amps	400x300x200
125 Amps	500x400x200
160 Amps	600x600x250
200 Amps	700x500x250
250 Amps	700x500x250
Larger Sizes	Please call
Larger Sizes	Please call
Larger Sizes	Please call

SPECIFICATION

Contactors:

Three Pole

Led Indicators:

Rated for AC1 operation

Mains Available, Mains On Load

Gen Available, Gen On Load

Two wire generator start relay:

8 Amps

Sensing Relay (Mains Utility):

1 Phase & N

Over voltage adjustment (L—N) ((U_{max}):

160— 276 Vac

Under voltage adjustment (L—N):30—95% of U_{max} setting**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:

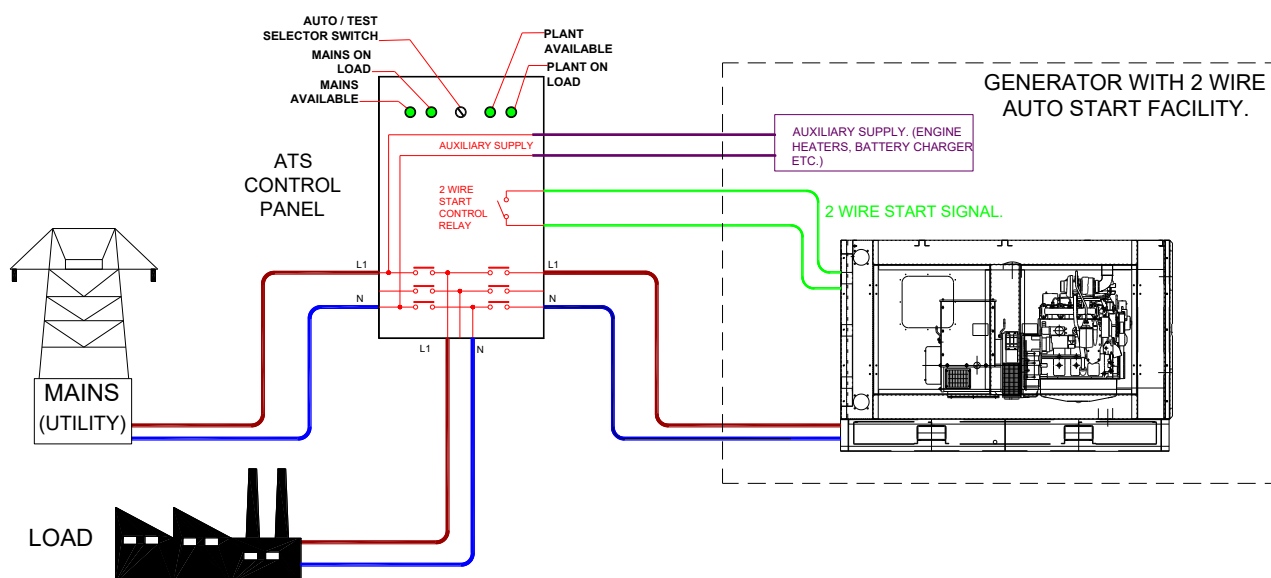
Generator starts / stops automatically

Test:

Generator starts and takes load



TYPICAL LAYOUT



BLANDON POWER LTD.
UNIT 4 SPRING MILL IND. EST.
AVENING ROAD
NAILSWORTH
GLOS, GL6 0BS.

TEL ++44 (0) 1453 840 914

FAX ++44 (0) 1453 840 899

admin@blandon.uk.com
www.blandongroup.com

Your Local Distributor