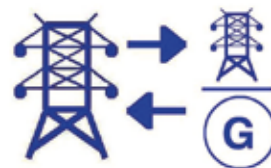




## Automatic Transfer Switch (ATS) IP65 - Mains to Standby

### Technical Data

- Mechanically & electrically interlocked contactor pair
- AC1 rated contactors to BS EN 60947-6-1
- Top and Bottom gland plates
- IP65 Enclosure
- Auto / Manual test switch
- Designed for Mains - Generator or Mains - Mains application
- Two wire generator start
- Configurable timers
- Panel status indicated by LED Lamps
- Available for single and three phase supplies



For any further comments or assistance please contact:

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Part Number	Amps (AC1)	Height (mm)	Width (mm)	Depth (mm)
<b>Single Phase (240VAC)</b>				
ERSATS40A1PH	40A	400	300	200
ERSATS60A1PH	60A	400	300	200
ERSATS125A1PH	125A	500	400	200
<b>Three Phase (400VAC)</b>				
ERSATS40A3PH	40A	400	300	200
ERSATS60A3PH	60A	400	300	200
ERSATS125A3PH	125A	500	400	200

## Description & Function

A range of ATS panels to be used where the local Mains (primary) supply is backed up by a generating\* set or secondary power supply. The ATS panel monitors the local Mains supply and will switch to the secondary if this should fail or fall outside pre-set limits. The ATS panel controls the switching of the load from the Mains supply to the standby supply. On return of the Mains supply the ATS panel will monitor it to ensure it is stable and then transfer the load from the standby back to the Mains supply. If the secondary supply is a generator, at this point the ATS panel will request the generator to stop.

A phase failure relay is used for Mains voltage monitoring and offers under and over voltage protection as well as phase sequence. The panel uses two timer relays to control timing functions in the panel. Timer one is used to control the Mains restoration period, this controls the period the Mains supply has to be healthy before engaging the Mains contactor. Timer two controls the standby settling period, this timer is useful for situations when the standby supply is a generator as it ensures the generator has ran up to speed and stabilized before a load is applied to the generator.

The default setting for the primary Mains restoration period is one minute and timer two is set for 15 seconds. (Both are fully adjustable). The generator start signal is by means of volt free normally open (N/O) contact closing when the generator is required to run.

A two position selector switch is used for control. In the AUTO position all operations are automatic with the panel switching to the standby supply when there is a failure of the primary Mains supply. The second position - TEST - switches the load to the secondary supply (The start signal is given to the generator).

Cable entry as standard is arranged for bottom entry with a direct connection into the contactors. A 16A auxiliary output is provided for use with battery chargers, water jacket heaters etc.

\*The Generator is required to have a 2 wire start / Auto start facility

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