

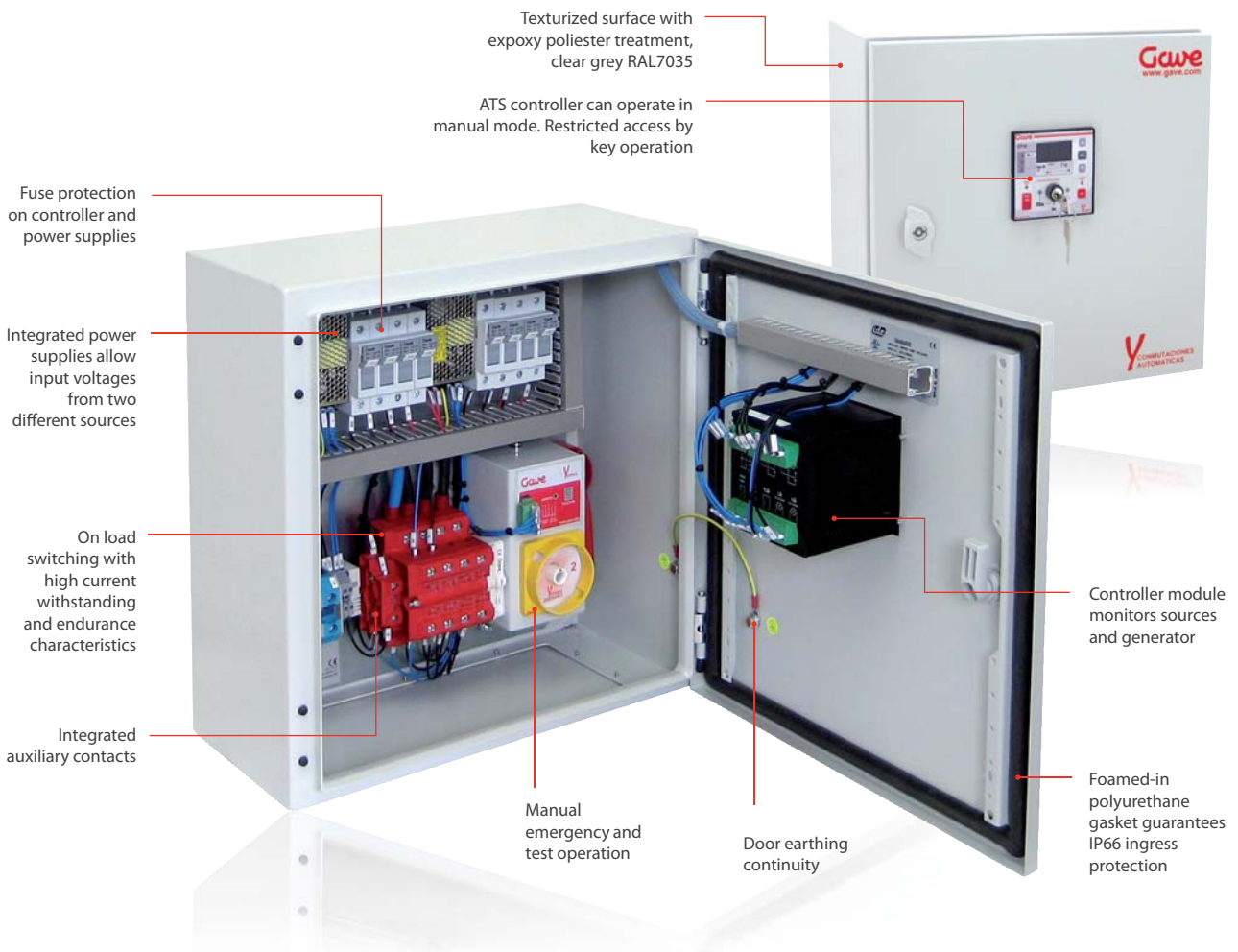


Automatic and By-pass
Transfer Switches **Y**SERIES

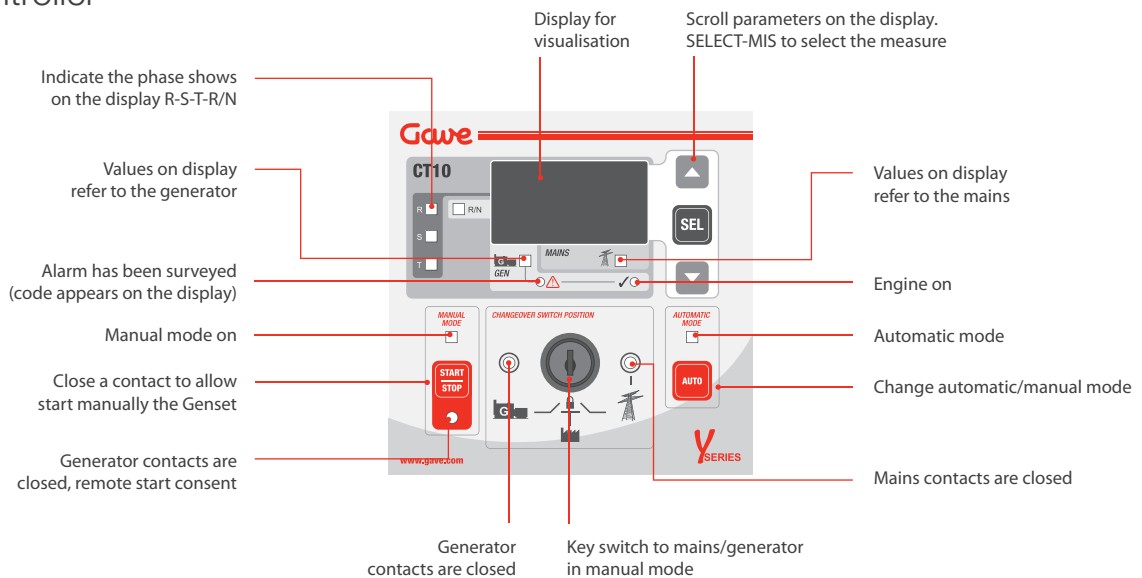
Gawe
low voltage electrical material



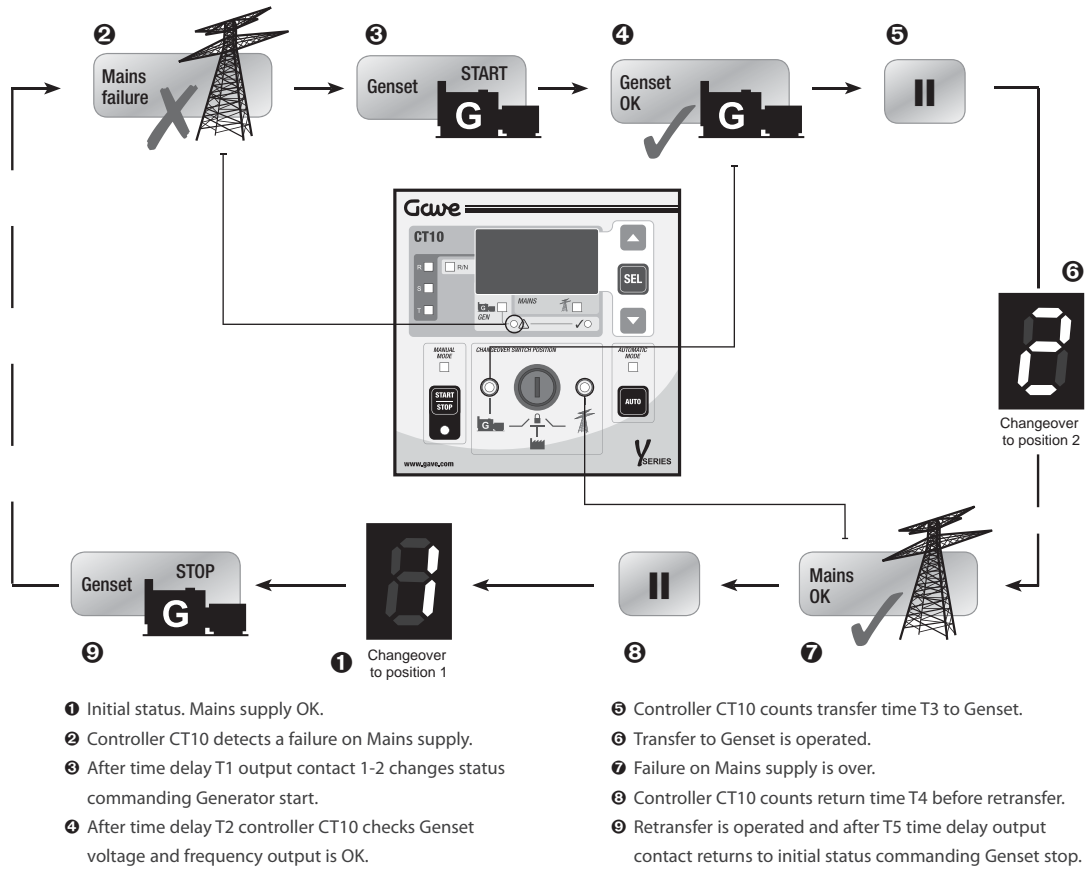
General characteristics



ATS Controller

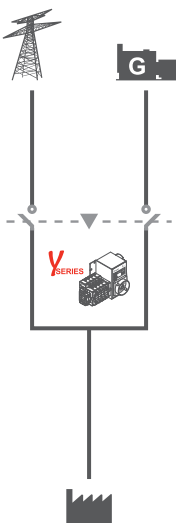


Operating sequence automatic mode

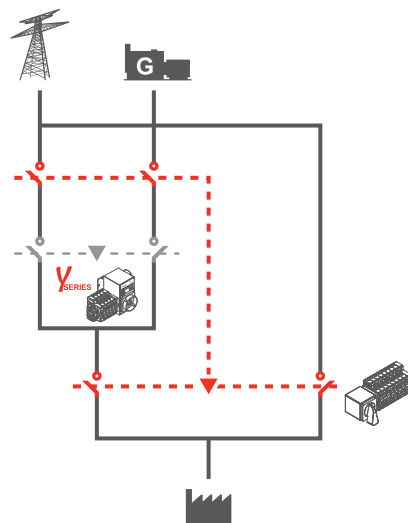


Electrical schemes

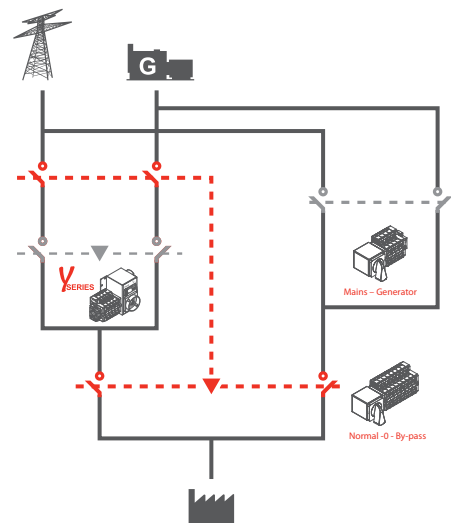
ATS



By-pass single line



By-pass double line



Selection guide

Transfer switches are at the heart of an emergency power system where reliable electrical operation can be overridden by direct manual operation.

Based on the installation characteristics we determine which transfer is most suitable to our needs. Main criteria are type of power supply need (back-up,

standby, critical), maintenance operations and test functionality.



Automatic Transfer Switch

Basic installations on light commercial applications use backup generators that provide alternative supply. In-house factory testing grants electronic control, electrical and mechanical transfer reliability.



ATS with By-pass (single line)

On those installations where we might change controller programming or plan regular maintenance procedures we should integrate a by-pass isolation switch. This configuration provides supply continuity on the load side while permitting testing operations on the ATS under safety conditions. Prewired connections offer simple and easy installation access.



ATS with By-pass (double line)

Critical power installations should be able to offer supply continuity also under the event of mains power failure while the ATS is isolated on maintenance/testing purposes. A double line by-pass configuration with an additional manual transfer switch is the solution.



Other products

Installations without maintenance personnel available on site might prefer using simple transfer controls avoiding issues related to programming. A range using modular relays with frontal analogic adjustment is available. Special requirements related to product configurations, functionalities, enclosure characteristics or particular features are also possible upon demand.

«Compact design:
Easy transport and installation»

Space saving against existing offer in the market

	63-125A	160-250A
• ATS	>30%	>25%
• ATS + By-pass single	>55%	>40%
• ATS + By-pass double	>30%	>20%

63-125 A

A	Standard	With SPD	With GSM
63	CTL14006	CTL14006P	CTL14006G
100	CTL14010	CTL14010P	CTL14010G
125	CTL14012	-	-

A	Standard	With SPD	With GSM
63	CTB14006	CTB14006P	CTB14006G
100	CTB14010	CTB14010P	CTB14010G
125	CTB14012	CTB14012P	CTB14012G

A	Standard	With SPD	With GSM
63	CTD14006	CTD14006P	CTD14006G
100	CTD14010	CTD14010P	CTD14010G
125	CTD14012	CTD14012P	CTD14012G

160-250 A

A	Standard	With SPD	With GSM
160	CTL14016	CTL14016P	CTL14016G
200	CTL14020	CTL14020P	CTL14020G
250	CTL14025	CTL14025P	CTL14025G

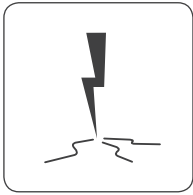
A	Standard	With SPD	With GSM
160	CTB14016	CTB14016P	Consult
200	CTB14020	CTB14020P	Consult
250	CTB14025	CTB14025P	Consult

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200	CTD14020	CTD14020P	Consult
250	CTD14025	CTD14025P	Consult

We have the answer on your transfer specific demands...

- Surge protection
- Synoptic panels
- Measuring and communication
- Specific electronic controllers
- Emergency function
- Customised enclosures
- Arduous environments

Mounting options



Surge protection device

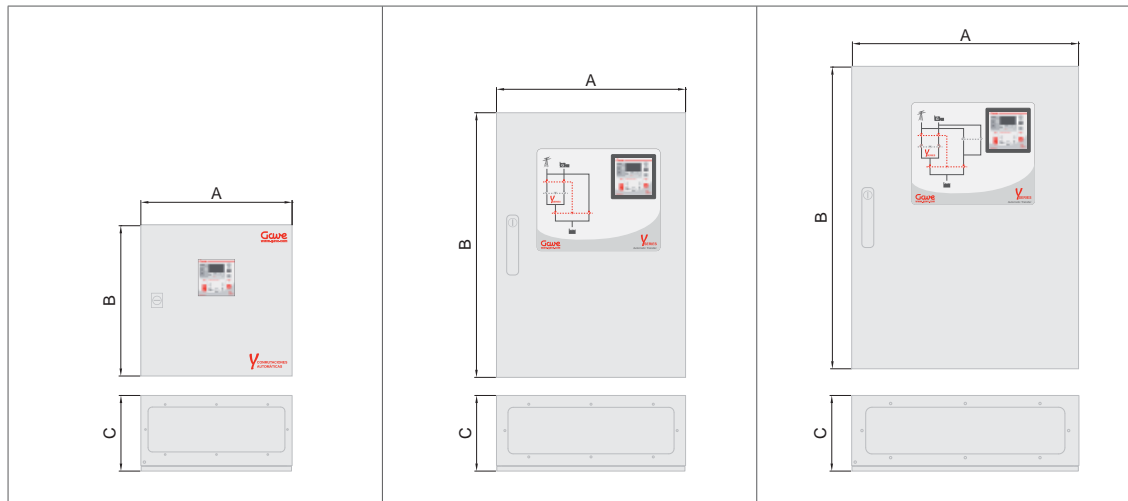
ATS controller protected against lightning by Class II modular SPD with end of life indication and replacement modules.



GSM Control

Smart distance monitoring sends messages on transfer status and events information.
Unit thermal control with alert messages and safeguard operation.

Dimensions



Type	Standard						By-Pass Single line						By-Pass Double line					
	63-125A*			160-250A			63-100A			160-250A			63-100A			160-250A		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Standard	400	400	200	500	500	250	500	700	200	600	800	200	600	800	200	800	1000	250
With SPD	500	500	250	500	500	250	500	700	200	600	800	200	600	800	200	800	1000	250
With GSM	500	500	250	600	600	250	-	-	-	-	-	-	-	-	-	-	-	-

*SPD and GSM options not available in 125A