



IB 70-8738

Generator and Automatic Transfer Switch Generator Start Connection Diagrams

	RTC-50 Controller	RTC-100 Controller	ATC-100 Controller	ATC-300 Controller
Air Cooled Controller	Diagram 1	Diagram 3	Not Applicable	Not Applicable
R-Panel Controller	Diagram 2	Diagram 4	Diagram 6	Diagram 8
H-Panel Controller	Not Applicable	Diagram 5	Diagram 7	Diagram 9

Table 1: ATS & Generator Controller Matrix

Use Table 1 to determine which connection diagram should be used with your Eaton Generator and Eaton Automatic Transfer switch application. The diagram will inform you how the generator start feature, for that combination of generator and ATS controller, shall be field wired.

Table 2, on page 2, shows the Eaton generator catalog numbers and which generator controllers are supplied with those particular generators. This will help assist you in determining which generator controller you have installed on your Eaton generator

Table 3, on page 2, show the Eaton ATS catalog numbers and which ATS controllers are supplied with those particular ATS's. This will help assist you in determining which ATS controller you have installed on your Eaton ATS.

Generators associated with each Generator Controller		
<i>Air Cooled Controller</i>	<i>R-Panel Controller</i>	<i>H-Panel Controller</i>
EGEN8	EGEN22	EGEN70
EGEN10	EGEN25	EGEN80
EGEN14	EGEN27	EGEN100
EGEN17	EGEN36	EGEN130
EGEN17A	EGEN45	EGEN150
EGEN20A	EGEN48	
	EGEN60	

Table 2: Generator Controllers & Generator Catalog Numbers

ATS's associated with each ATS controller			
<i>RTC-50</i>	<i>RTC-100</i>	<i>ATC-100</i>	<i>ATC-300</i>
EGS50L12	EGSU100AC	ATC1____	ATC3__
EGS50L12R	EGSU100NSEAC	ATV1____	ATV3__
EGS100	EGSU100L24RAC	ATH1____	ATH3__
EGS100SE	EGSU150NSEAC		
EGS100L24R	EGSU200AC		
EGS200	EGSU200NSEAC		
EGS200SE	EGSU400NSEAC		
EGS400NSE			

Table 3: ATS's & ATS Catalog Numbers

Connection of EATON RTC-50 ATS controller to Utility Sensing on EATON Air Cooled Generator

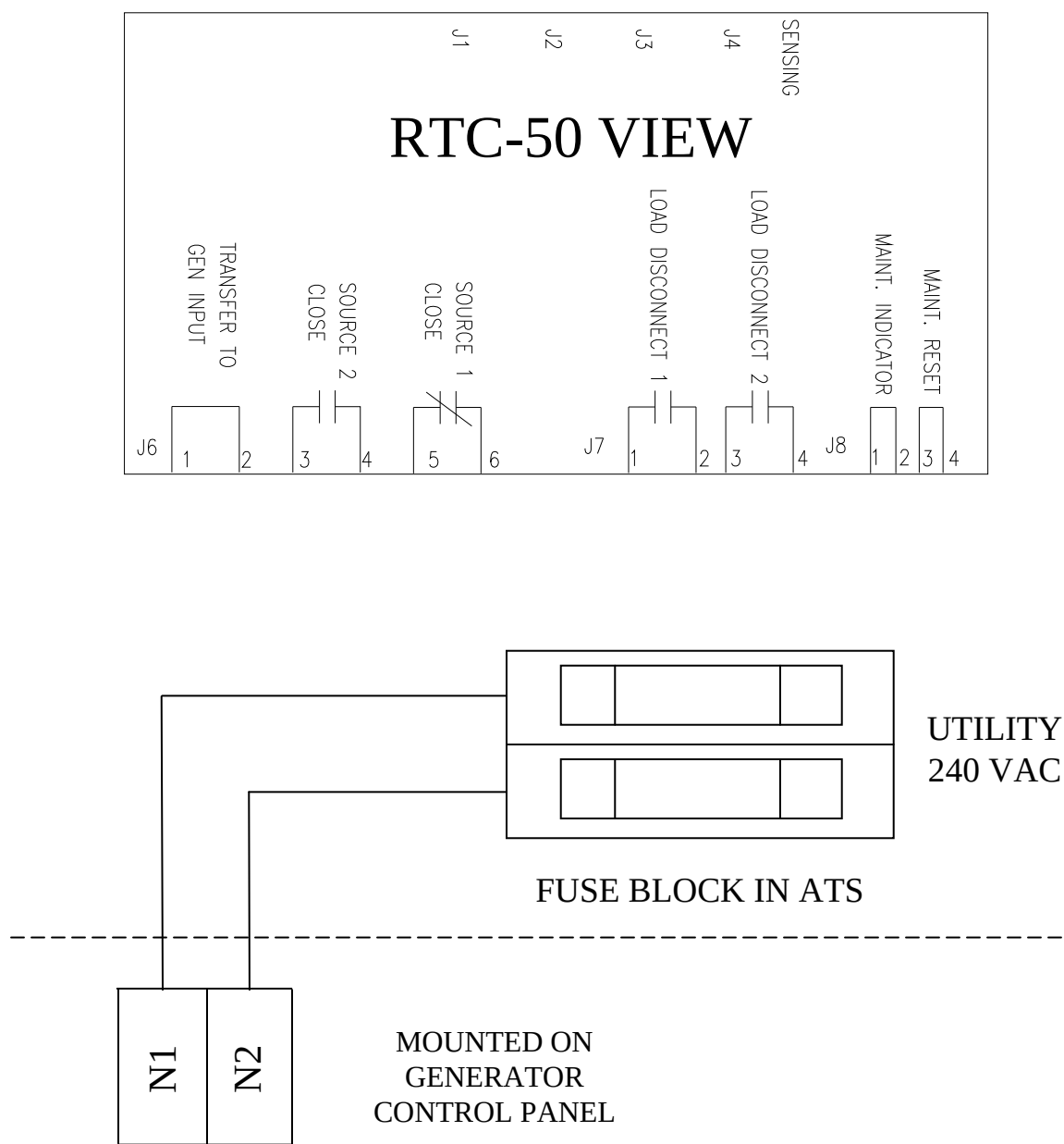
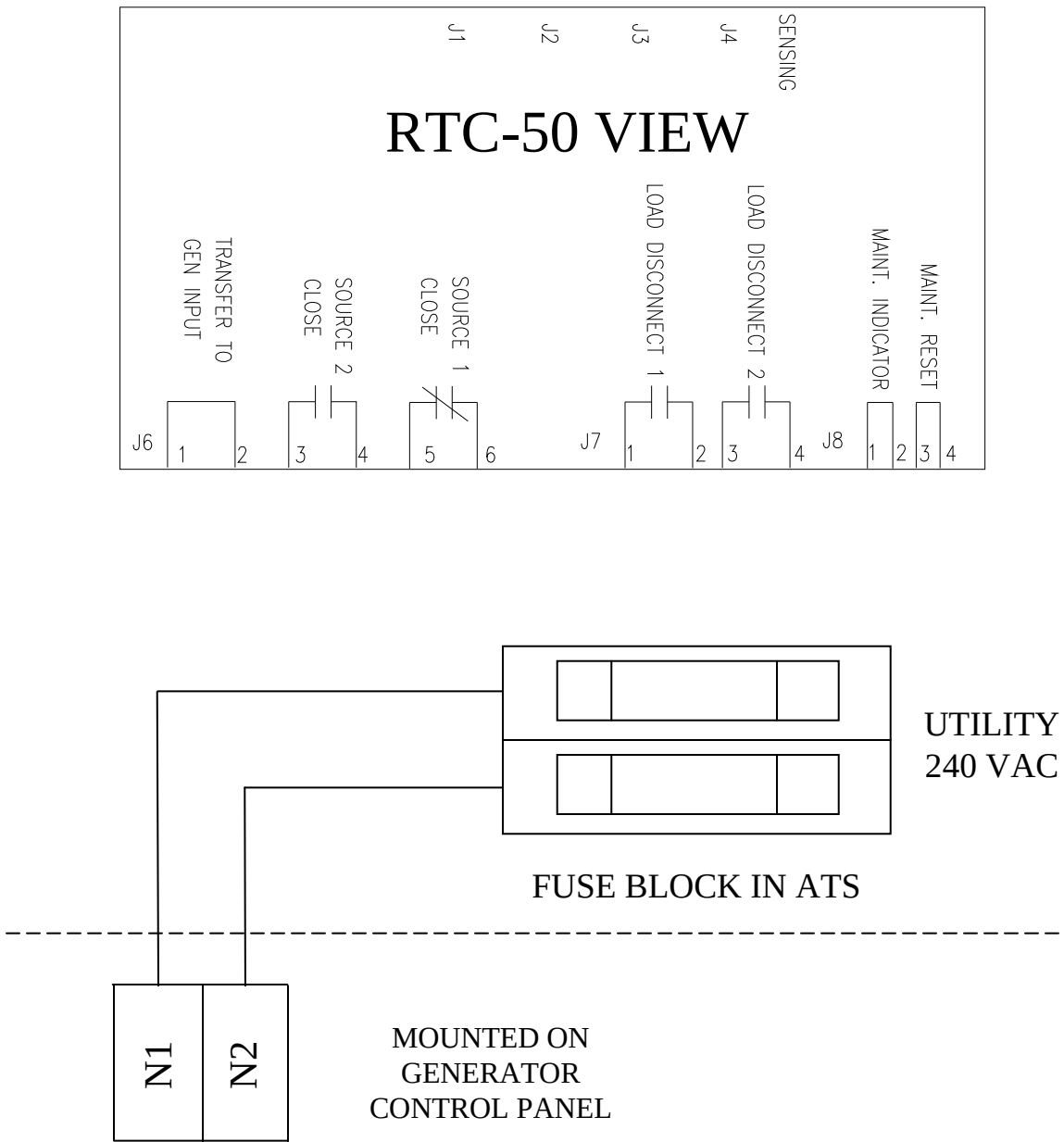


Diagram 1

Connection of EATON RTC-50 ATS controller to R-Panel Digital Generator Controller



Set Dip Switch #2 to the “OFF” position. See R-200 Digital Controller manual for clarification.

Diagram 2

Connection of EATON RTC-100 ATS controller to Utility Sensing on EATON Air Cooled Generator

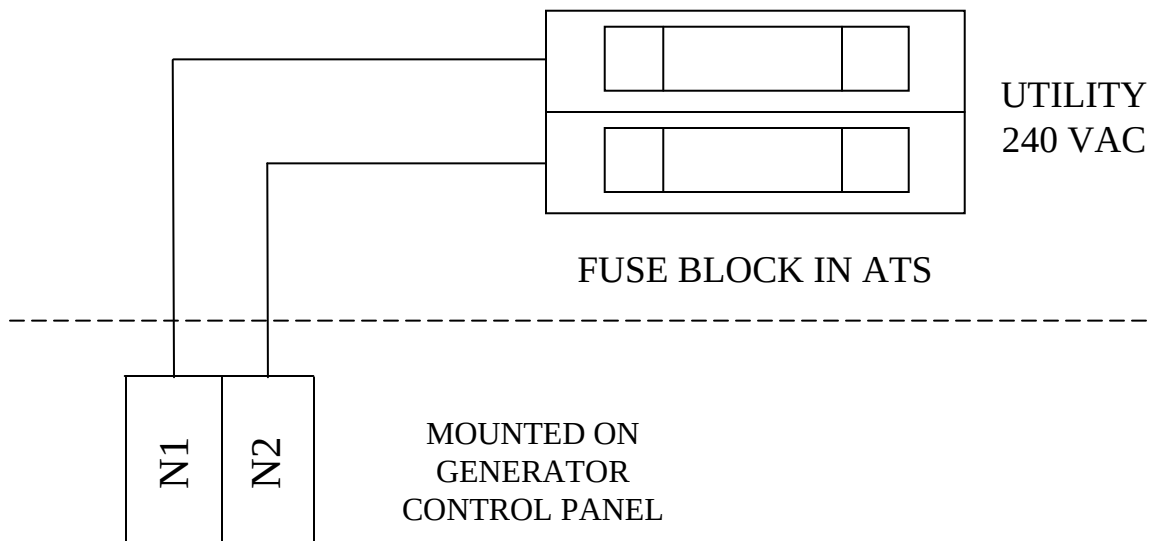
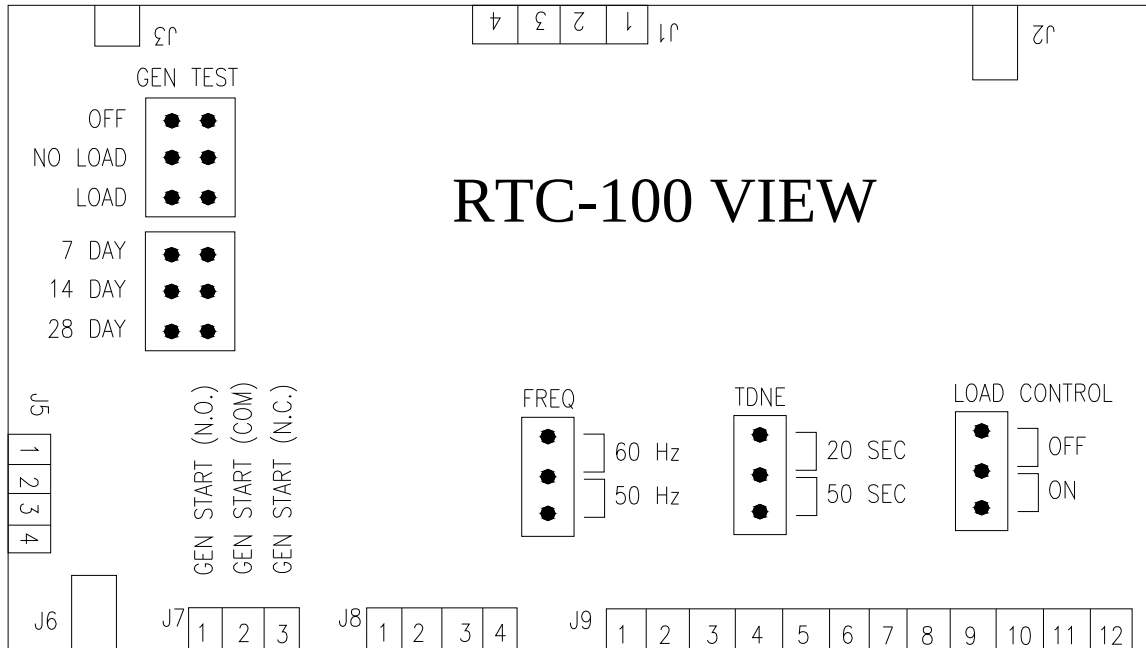
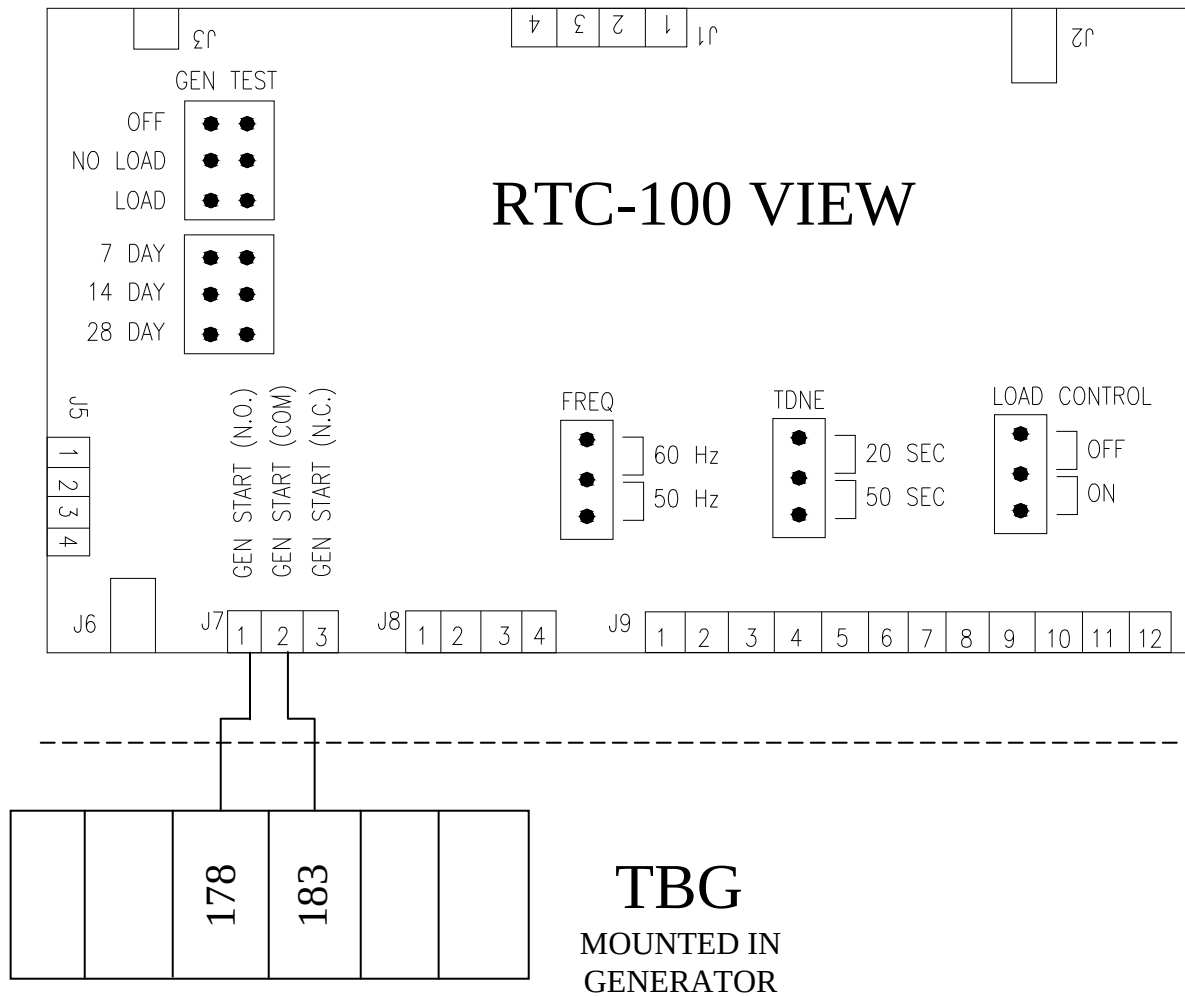


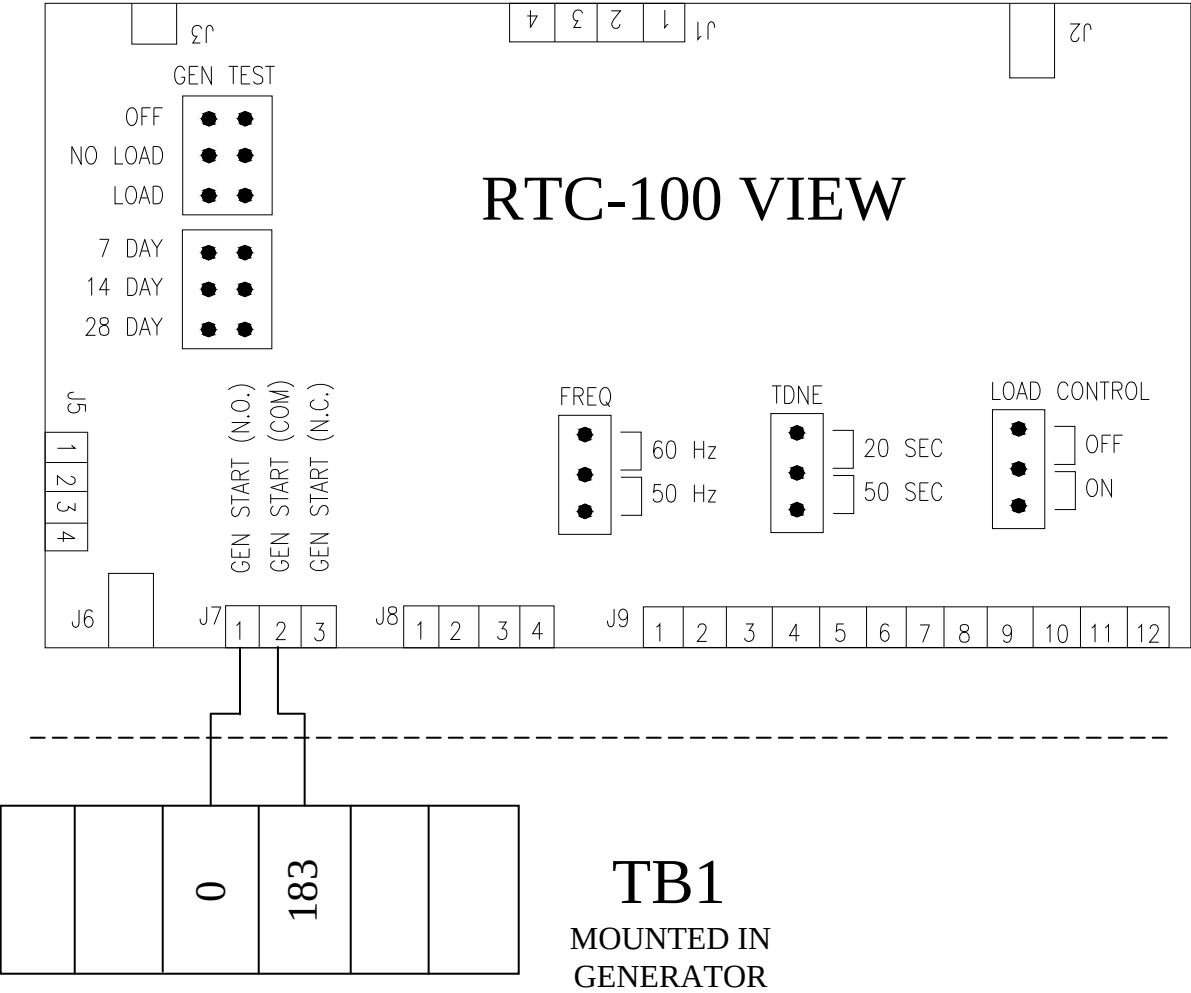
Diagram 3

Connection of EATON RTC-100 ATS controller to R-Panel Digital Generator Controller



Set Dip Switch #2 to the “ON” position. See R-200 Digital
Controller manual for clarification.

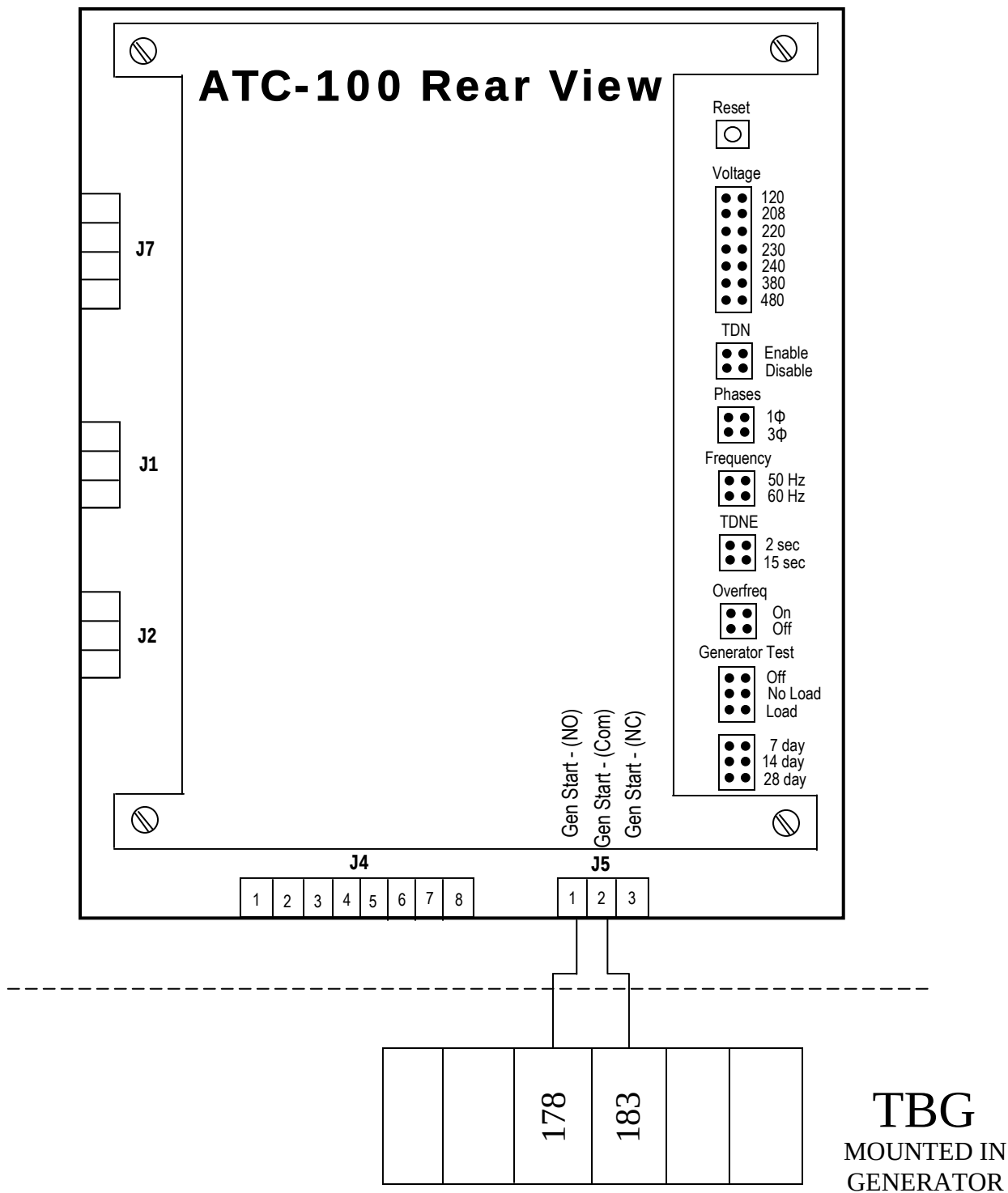
Connection of EATON RTC-100 ATS controller to H-Panel Digital Generator Controller



See H-Panel Digital Controller manual for clarification.

Diagram 5

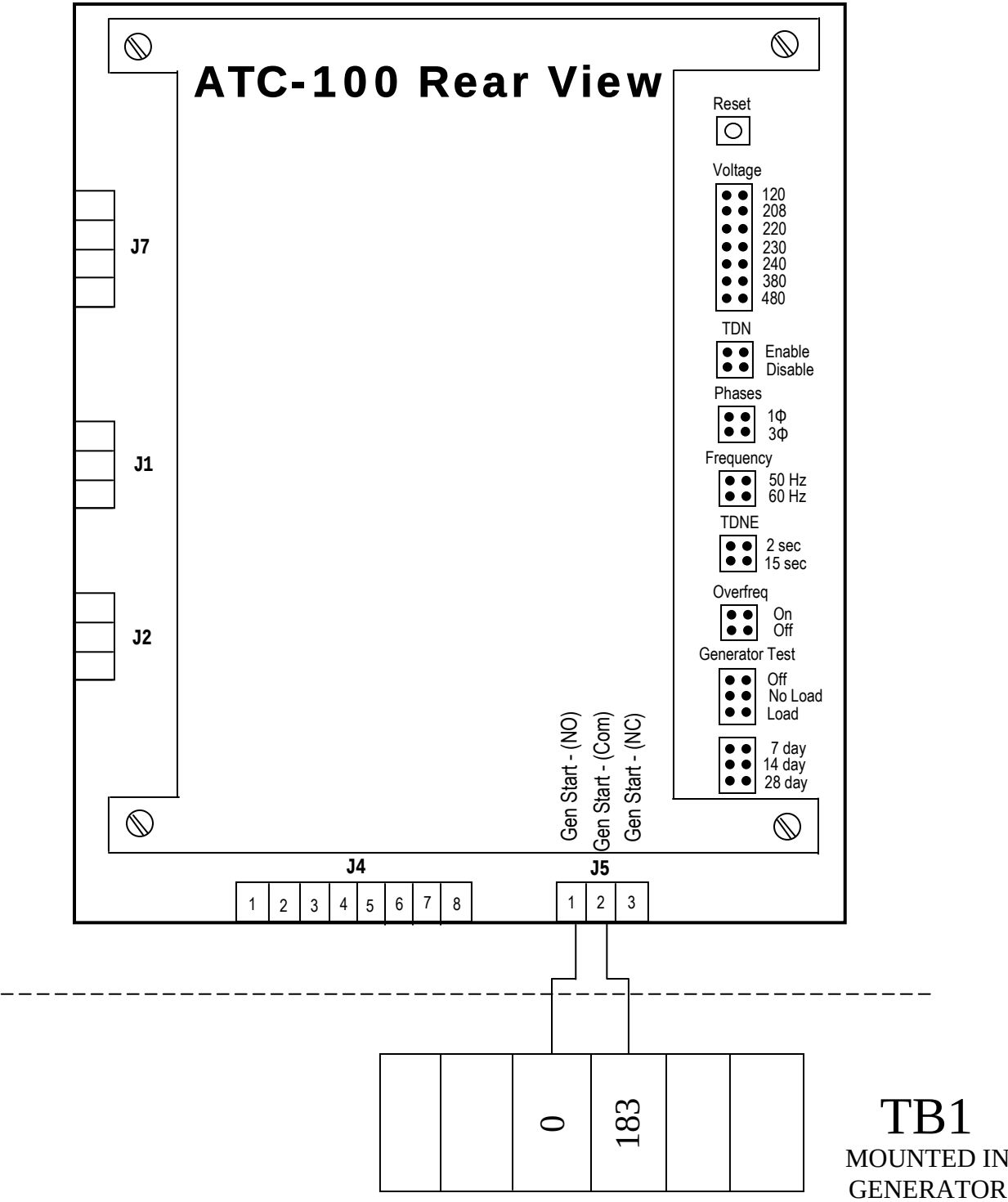
Connection of EATON ATC-100 ATS controller to R-Panel Digital Generator Controller



Set Dip Switch #2 to the “ON” position. See R-200 Digital Controller manual for clarification.

Diagram 6

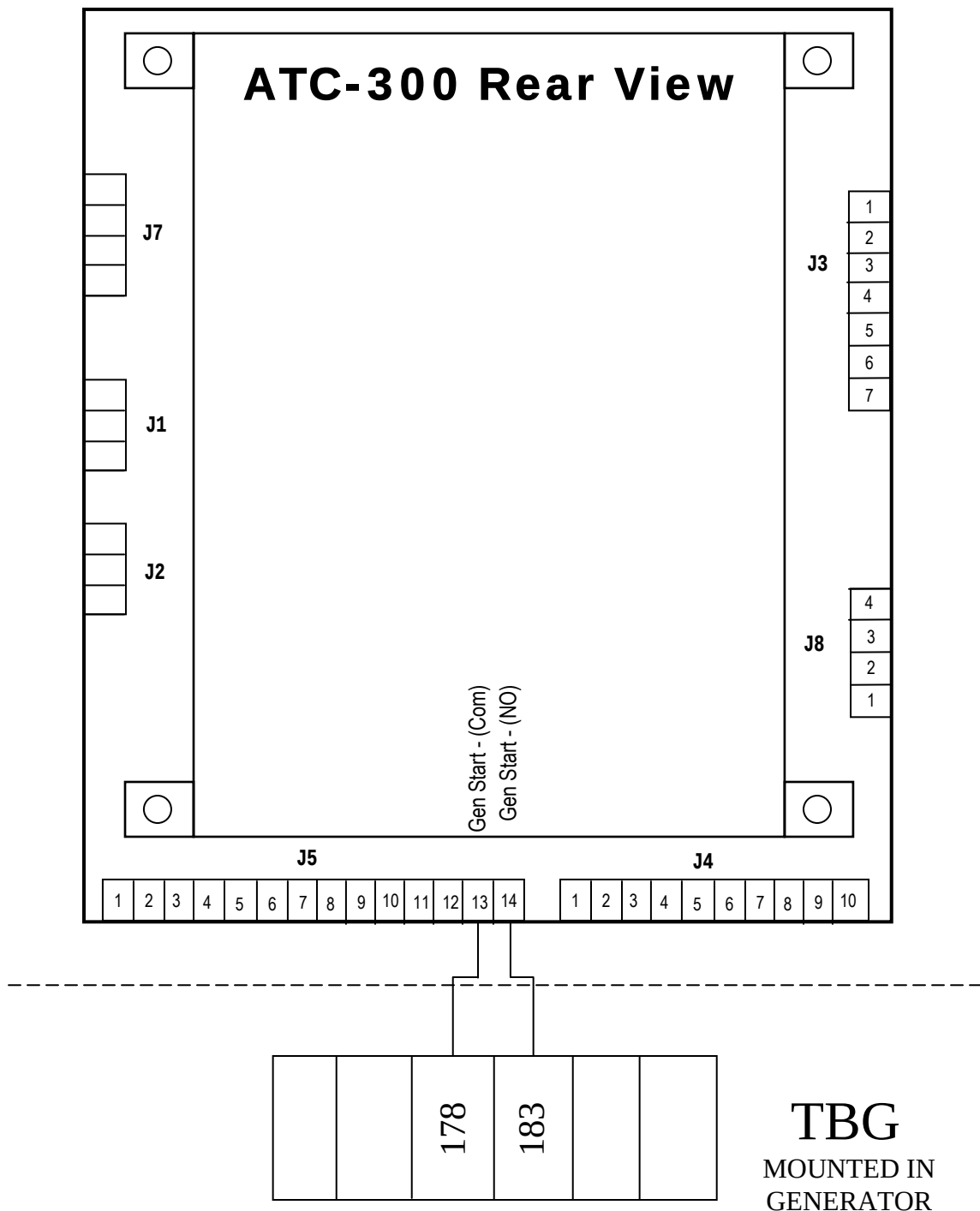
Connection of EATON ATC-100 ATS controller to H-Panel Digital Generator Controller



See H-Panel Digital Controller manual for clarification.

Diagram 7

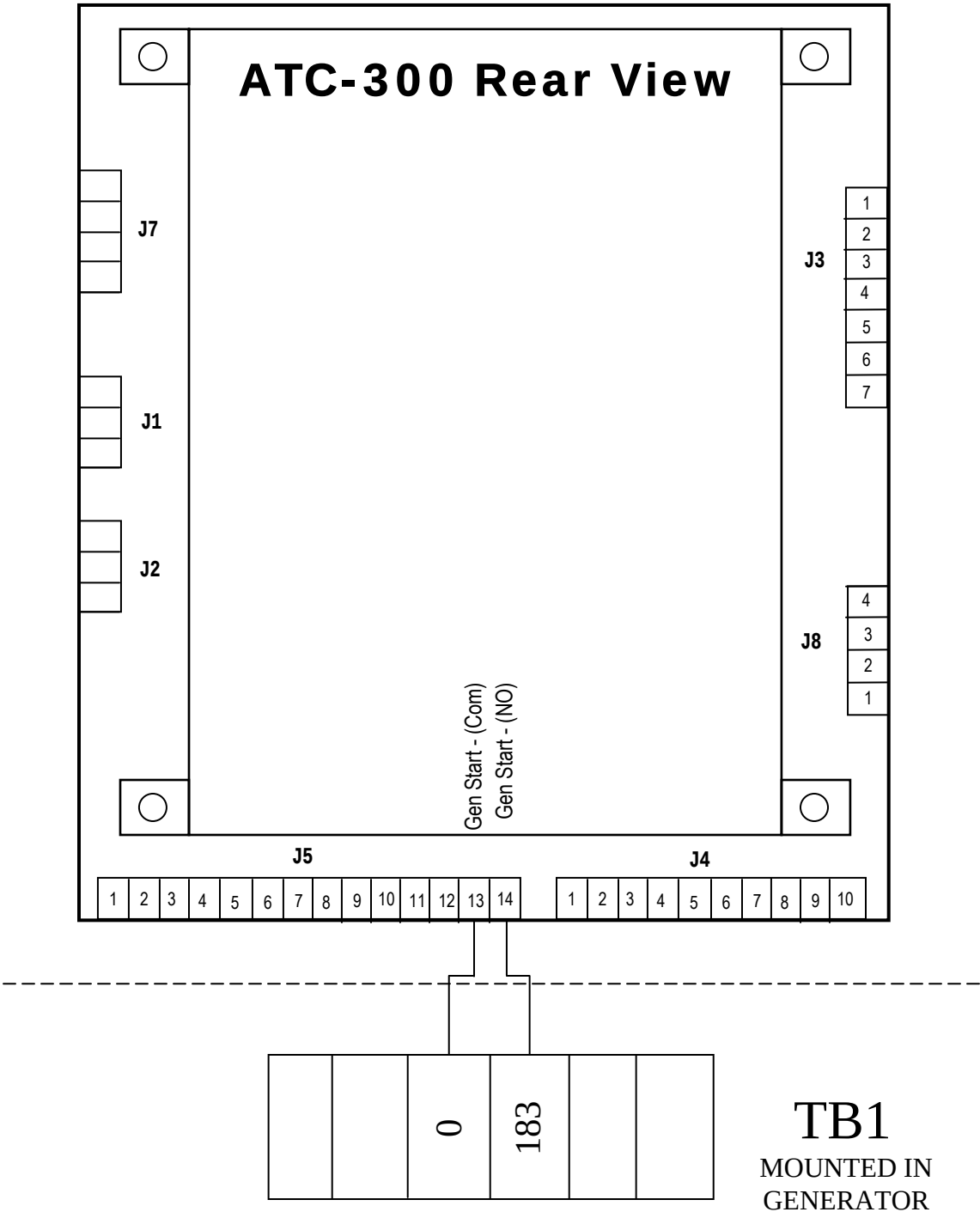
Connection of EATON ATC-300 ATS controller to R-Panel Digital Generator Controller



Set Dip Switch #2 to the "ON" position. See R-200 Digital
Controller manual for clarification.

Diagram 8

Connection of EATON ATC-300 ATS controller to H-Panel Digital Generator Controller



See H-Panel Digital Controller manual for clarification.

Diagram 9