



**VTC-09 / 95 SERIES AC CONTACTOR  
DEMONSTRATION AND USERS  
MANUAL**

Thank you for choosing VTC-09-95 series Contactor. Please read this manual before installation, operation and maintenance.

**OVERVIEW**

VTC-09-95 Series Contactors can be used in Remote making & breaking circuits; protect circuit from over-load when assembling with thermal over-load relay; frequent start-up and control of AC circuit and remote controlling AC3 class AC engines.

**Standards & Certifications**

TS EN IEC 60947-4-1

**Technical Information**

**Electric Ratings:** AC50/60Hz, 690V, up to 95A  
**Utilization Category:** AC-3, AC-4  
**Altitude:** ≤ 2000m  
**Ambient Temperature:** -5°C ~ +40°C  
**Mounting Category:** III  
**Mounting Conditions:** Inclination between the mounting plane and the vertical plane should exceed ±5°.

**Coil Operation Voltage (Us):**  
**VAC 50Hz:** 24, 36, 42, 48, 110, 127, 220, 230, 240, 380, 415, 440, 500, 600  
**VAC 60Hz:** 24, 42, 48, 110, 127, 220, 240, 380, 440, 480  
**VAC 50/60Hz:** 24, 42, 48, 110, 220, 230, 380, 415, 440

**VDC:** 12, 24, 36, 48, 110, 220

**Contactor Structure:** There are lock mechanisms that can be mounted on both sides of contactor. In NO or NC varied combinations, there are 2 or 4 pole auxiliary contact blocks.  
**Protection Class:** IP20

**PRODUCT ASSEMBLY**

- Please read this manual carefully before assembling and using the product!
- The product assembly should be carried out by qualified people in accordance with the operation information of the product.
- The power should be cut during both the assembly and disassembly of the product.
- Product calibrating and programming are performed during manufacturing and each product is offered to sales after a thorough quality control.
- There are no maintenance or programming tasks that the users can perform.

**CAUTION!**

The power should be cut during product assembly and disassembly; these tasks should be carried out by authorized people. Contacting sections with voltage can be life-threatening

**Table 1 - 2**

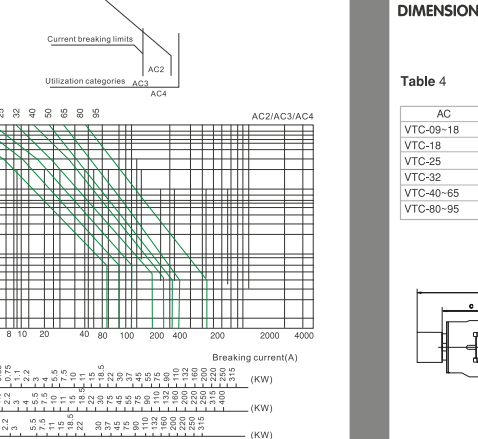
Model No	VTC-09	VTC-12	VTC-18	VTC-25	VTC-32
Rated Conventional Heating Current Ith (A)	30	30	32	40	50
Rated Voltage Ui (V)	690	690	690	690	690
Rated Operation Current AC-3 Ie (A)	9	12	18	25	32
Ue=380/415V AC-4 Ie (A)	3,5	5	7,7	8,5	12
Power Controlled 220/240V KW	2,2	3	4	5,5	7,5
3ph cage Motor 380/415V KW	4	5,5	7,5	11	15
AC-3 690/690V KW	5,5	7,5	10	15	18,5
Electrical life (x10 <sup>4</sup> operations)	AC-3 1000	1000	1000	1000	800
AC-4 200	200	200	200	200	200
Mechanical life (x10 <sup>4</sup> operations)	AC-4 10	10	10	10	8
Matched Fuse (A)	20	20	32	40	50
Pole	3P - 4P				
Auxiliary Circuit	1NO / 1NC				
Cat.AC-15, Ue=415V Ie=0,95A Ith=10A					

**Table 1 - 2**

Model No	VTC-40	VTC-60	VTC-65	VTC-80	VTC-95
Rated Conventional Heating Current Ith (A)	60	80	80	100	125
Rated Voltage Ui (V)	690	690	690	690	690
Rated Operation Current AC-3 Ie (A)	40	50	65	80	95
Ue=380/415V AC-4 Ie (A)	18,5	24	28	37	44
Power Controlled 220/240V KW	11	15	18,5	22	25
3ph cage Motor 380/415V KW	18,5	22	30	37	45
AC-3 690/690V KW	30	33	37	45	45
Electrical life (x10 <sup>4</sup> operations)	AC-3 800	600	600	600	600
AC-4 150	150	150	150	100	100
Mechanical life (x10 <sup>4</sup> operations)	8	8	8	6	6
Matched Fuse (A)	63	80	80	100	125
Pole	3P - 4P				
Auxiliary Circuit	1NO / 1NC				
Cat.AC-15, Ue=415V Ie=0,95A Ith=10A					

**Table 3**

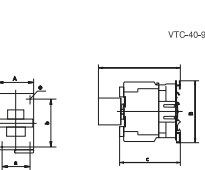
Model	Number Of Poles	Cabling Cross Section (Cu)				
		Flexible Cable With Cables-Without	Flexible Cable With Cables-Without	Inflexible Cable (mm <sup>2</sup> )	Screw Size	Tightening Torque (N.m)
VTC-09	1-2	2,5	4	4	M3,5	0,8
VTC-12	1-2	2,5	4	4	M3,5	0,8
VTC-18	1-2	4	6	6	M3,5	0,8
VTC-25	2	4	10	6	M4	1,2
VTC-32	2	4	10	6	M4	1,2
VTC-40	2	4	16	10	M4	1,2
VTC-40	2	10	10	10	M8	3,5
VTC-40	1	16	25	25	M8	3,5
VTC-65	2	16	18	25	M8	3,5
VTC-80	1	50	50	50	M8	3,5
VTC-80	2	25	35	-	M10	4,0
VTC-80	1	50	50	50	M10	4,0
VTC-95	2	25	35	-	M10	4,0



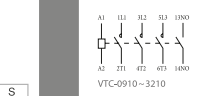
**DIMENSIONS**

**Table 4**

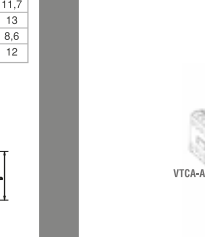
AC	Amax	Bmax	Cmax	Dmax	Emax	a	b	Φ	L	P	S
VTC-09-18	47	76	82	120,5	140,5	34/35	50/60	4,5	60	10,5	8,6
VTC-18	47	76	87	125,5	145,5	34/35	50/60	4,5	61	11,3	10,4
VTC-25	57	86	95	133,5	153,5	40	48	4,5	70	13,2	11,7
VTC-32	57	86	100	138,5	158,5	40	48	4,5	71,6	14,5	13
VTC-40-65	77	129	116	154,5	174,5	40	100/110	6,5	78	20	8,6
VTC-80-95	87	129	127	165,5	185,5	40	100/110	6,5	83	23,5	12



**CONNECTION DIAGRAM**



**ACCESSORIES**



**WARRANTY CONDITIONS**

- Warranty period starts as of the delivery date of the product and it is 2 years.
- Warranty covers the malfunctions likely to occur due to the manufacturing defects of the product and within the warranty period.
- The product including all of its parts is under warranty as a whole. If the product turns out to be defective, the consumer can use one of the following rights stipulated in Article 11 of Consumer Protection Law no. 6502;
  - a- Withdrawal free repair.
  - b- Demanding discount from sales fee one free from defects.
  - c- Demanding free repair.
  - d- Demanding the replacement of the sold one with a fungible one free from defects.
- In case the consumer chooses the right of free repair among those rights; the dealer is obliged to repair the product or have the product repaired without claiming any fee under the name of replaced part fee, labor cost or for any other reasons. The consumer can also use the right of free repair against the manufacturer or exporter. The dealer, manufacturer and exporter are jointly and severally liable for the usage of this right by the consumer.
- In case the consumer uses the right of free repair and if the product
  - fails within the warranty period again and
  - the maximum period required for the repair is exceeded and
  - Authorized service station, dealer, manufacturer or exporter state that it's not possible to repair the product in a report, the consumer can demand the return of the product fee, fee discount at the ratio of the defect or the replacement with the one free of defects, if possible, from the dealer. The dealer can not reject the demand of the consumer. In case this demand is not met, the dealer, manufacturer and exporter shall jointly and severally be held responsible.

**WARRANTY CONDITIONS**

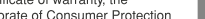
- The repair period of the product can not exceed 20 business days. This period starts on the notification of the failure on the product to the authorized service station or the dealer within the warranty period and from the date of delivery of the product to the authorized servicestation out of warranty period. In case of not eliminating the product malfunction within 10 business days, manufacturer or importer is obliged to dedicate another product with similar characteristics to the use of the consumer until the completion of the product repair. In case the product fails within the warranty period, elapsed time is added to the warranty period.
- Usage of the product contrary to the rules stipulated in user's manual, operating out of determined voltage, current and environmental conditions, damage on the cable connection due to the user's fault and failure of the product due to the facts arising from the fire, flood, earthquake, lightning and similar disasters are not under warranty.
- The consumer can apply to the arbitration committee for consumers or the consumer court where the consumer operations are made or in the residential area for the disputes to be occurred regarding the usage of the rights arising from the warranty.
- In case the dealer doesn't provide this certificate of warranty, the consumer can apply to the General Directorate of Consumer Protection and Market Surveillance of Ministry of Customs and Trade

**WARNING**

- Ensure that the power is cut off before the assembly of the products
- Connection and assembly of the electrical devices should be carried out only by the technical personnel having certificate of competency.
- No responsibility is assumed for the entire of the malfunction, accident and loss arising from the assembly or interference of the persons not having the competency certificate.
- Never use alcohol, cologne, detergent or other similar chemicals for cleaning. Do not perform wet cleaning do not contact the product with water when the product is energized.
- Keep the product away from the damp or wet environment during the transportation and shipping.

**PANASONIC AND ENVIROMENT**

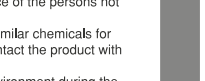
As Panasonic, we are aware of the contribution of a balanced relation established between human and nature to the sustainable life. Thanks to our continuous innovation and R&D studies, we prefer materials and technologies that are not affecting the environment in a negative way during the production and usage of the products starting from the designing phase. We take necessary measures to use energy and natural sources in a more efficient way.



This symbol indicates separate collection of waste electrical and electronic equipment.

**PANASONIC CUSTOMER RELATIONS**

**Dear Customer,**  
We believe in providing quality service to your as well as offering quality products.



Panasonic Electric Works Elektrik San.ve Tic. A.Ş.  
 Abdurrahmangazi Mah. Ebubekir Cad. No: 44  
 34887 Sancaktepe / Istanbul / Turkey  
 T: 0(216) 564 55 55 F: 0(216) 564 55 44

**HOTLINE**

**444 8456**

ewtr.panasonic.com

info@tr.panasonic.com