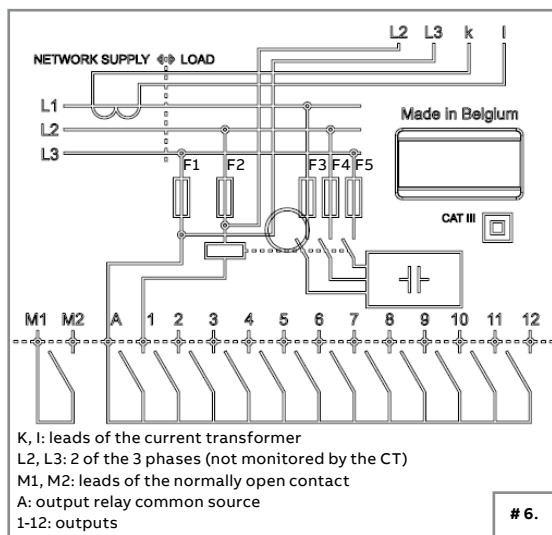
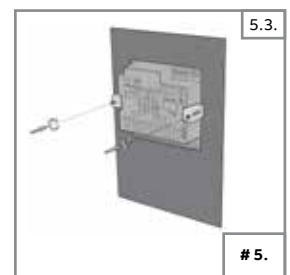
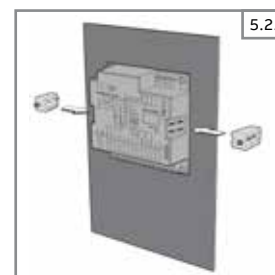
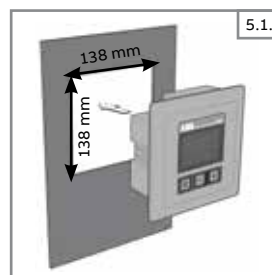
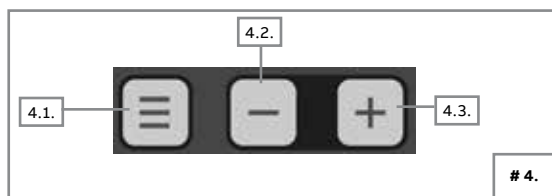
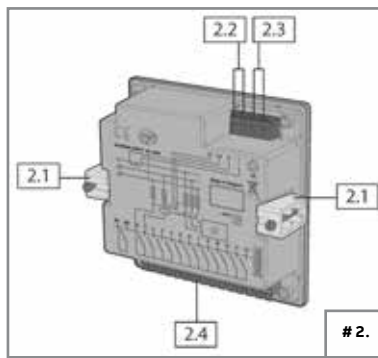
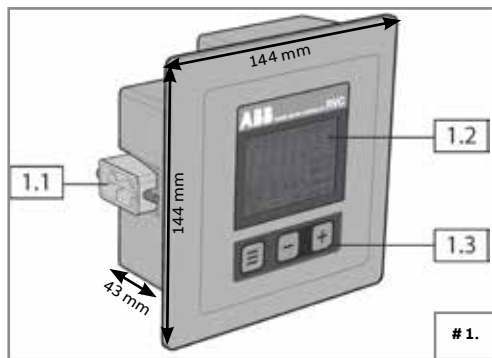


# Power Factor Controller RVC

## Quick start



**3-Phase**  

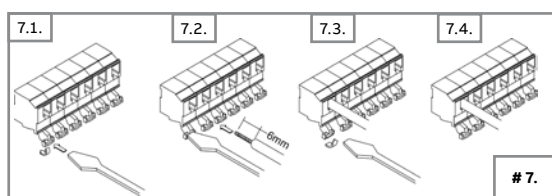
$$C/k = \frac{2}{3} \times \frac{Q \times 1000}{\sqrt{3} \times U \times k}$$

**1-Phase**  

$$C/k = \frac{2}{3} \times \frac{Q \times 1000}{U \times k}$$

C/k: 3-Ph/400V

| CT Ratio | K      | Capacitor step rating (kvar) |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
|----------|--------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
|          |        | 5                            | 10   | 15   | 20   | 30   | 40   | 50   | 60   | 70   | 90   | 100  | 120  |      |  |  |  |  |  |  |
| 10/1     | 50/5   | 10                           | 0.48 | 0.97 | 1.45 | 1.93 | 2.90 | 3.87 | 4.84 |      |      |      |      |      |  |  |  |  |  |  |
| 20/1     | 100/5  | 20                           | 0.24 | 0.48 | 0.73 | 0.97 | 1.45 | 1.93 | 2.42 | 2.90 | 3.38 | 4.35 | 4.84 |      |  |  |  |  |  |  |
| 30/1     | 150/5  | 30                           | 0.16 | 0.32 | 0.48 | 0.64 | 0.97 | 1.29 | 1.61 | 1.93 | 2.26 | 2.90 | 3.22 | 3.87 |  |  |  |  |  |  |
| 40/1     | 200/5  | 40                           | 0.12 | 0.24 | 0.36 | 0.48 | 0.73 | 0.97 | 1.21 | 1.45 | 1.69 | 2.18 | 2.42 | 2.90 |  |  |  |  |  |  |
| 60/1     | 300/5  | 60                           | 0.08 | 0.16 | 0.24 | 0.32 | 0.48 | 0.64 | 0.81 | 0.97 | 1.13 | 1.45 | 1.61 | 1.93 |  |  |  |  |  |  |
| 80/1     | 400/5  | 80                           | 0.06 | 0.12 | 0.12 | 0.24 | 0.36 | 0.48 | 0.60 | 0.73 | 0.85 | 1.09 | 1.21 | 1.45 |  |  |  |  |  |  |
| 100/1    | 500/5  | 100                          | 0.05 | 0.10 | 0.15 | 0.19 | 0.29 | 0.39 | 0.48 | 0.58 | 0.68 | 0.87 | 0.97 | 1.16 |  |  |  |  |  |  |
| 120/1    | 600/5  | 120                          | 0.04 | 0.08 | 0.12 | 0.16 | 0.24 | 0.32 | 0.40 | 0.48 | 0.56 | 0.73 | 0.81 | 0.97 |  |  |  |  |  |  |
| 160/1    | 800/5  | 160                          | 0.03 | 0.06 | 0.09 | 0.12 | 0.18 | 0.24 | 0.30 | 0.36 | 0.42 | 0.54 | 0.60 | 0.73 |  |  |  |  |  |  |
| 200/1    | 1000/5 | 200                          | 0.02 | 0.05 | 0.07 | 0.10 | 0.15 | 0.19 | 0.24 | 0.29 | 0.34 | 0.44 | 0.48 | 0.58 |  |  |  |  |  |  |
| 300/1    | 1500/5 | 300                          | 0.02 | 0.03 | 0.05 | 0.06 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.29 | 0.30 | 0.39 |  |  |  |  |  |  |
| 400/1    | 2000/5 | 400                          | 0.01 | 0.02 | 0.04 | 0.05 | 0.07 | 0.10 | 0.12 | 0.15 | 0.17 | 0.22 | 0.23 | 0.29 |  |  |  |  |  |  |
| 600/1    | 3000/5 | 600                          | 0.01 | 0.02 | 0.02 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.11 | 0.15 | 0.15 | 0.19 |  |  |  |  |  |  |



| Linear   |    |    |    |     |     |     | Circular |    |    |    |     |     |     |
|----------|----|----|----|-----|-----|-----|----------|----|----|----|-----|-----|-----|
| C1       | C2 | C3 | C4 | ... | C11 | C12 | C1       | C2 | C3 | C4 | ... | C11 | C12 |
| ⊕        | ⊖  | ⊕  | ⊖  | ... | ⊕   | ⊖   | ⊕        | ⊖  | ⊕  | ⊖  | ... | ⊕   | ⊖   |
| Sequence | 1  | 1  | 1  | 1   | ... | 1   | 1        | 1  | 1  | 1  | ... | 1   | 1   |
| ↗        | ■  | □  | □  | □   | ... | □   | ■        | □  | □  | □  | ... | □   | ■   |
| →        | ■  | ■  | □  | □   | ... | □   | ■        | ■  | □  | □  | ... | □   | ■   |
| ↘        | ■  | ■  | ■  | □   | ... | □   | ■        | ■  | ■  | □  | ... | □   | ■   |
| ↙        | ■  | □  | □  | □   | ... | □   | □        | ■  | □  | □  | ... | □   | □   |

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