Valid for SSR FlexiChef 2.0

	Read the installation instructions for the units and observe the safety information.

The target group for this installation manual is trained qualified personnel entrusted with the technical functioning and operation of the unit.
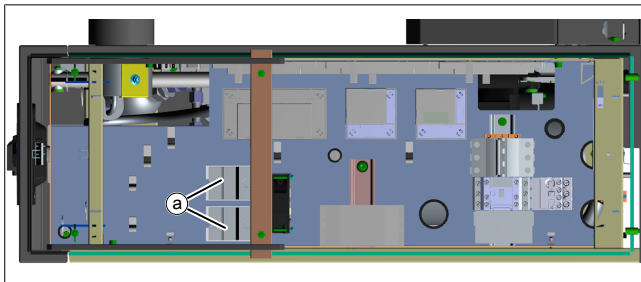

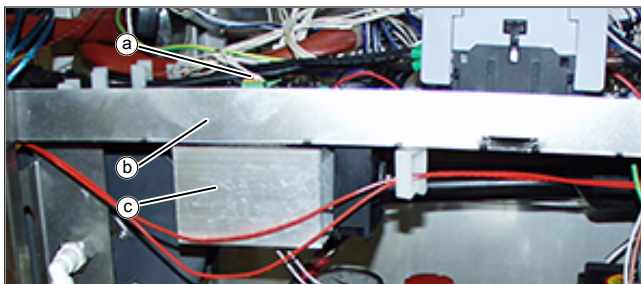Image: Operating handle position SSR

    a   SSR solid state relay

Image: Installation position of SSR

    a   SSR solid state relay   c   Heat sink
    b   Mounting plate

Safety instructions

Organizational measures

Risk of property damage and personal injury from lack of organizational measures

- Use equipment and protective gear suitable for the activity.

Danger of electric shock from live components.

- Prior to working on the electrical system, switch off the unit, disconnect the electrical system from the mains and prevent power from being switched on again. Check to ensure the system is dead.

- Use only insulated tools.

Overview SSR

Possible dual SSR

	Dual SSR Celduc SOB...
	Dual SSR Crydom CC48...

Possible single SSR

	Single SSR Celduc SOB...
	Single SSR Crydom CC48...

Scope of delivery

Exchange dual SSR Q100

SSR Celduc	10011591
Green plug Crydom	10011833
Black plug Celduc	10032190
Thermally conductive foil	203671

Replacement single SSR Q110

SSR Celduc	203668

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Preparatory work

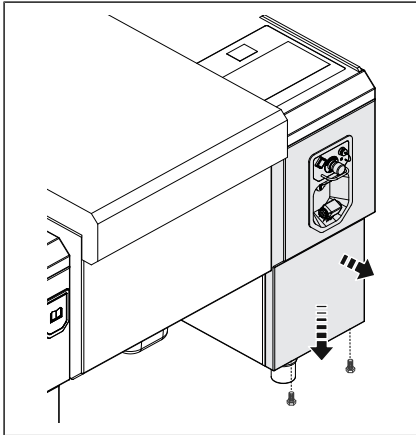### Removing the front panel of the operating spar

Image: Removing the front panel of the operating spar

Prerequisite

Unit dead

1. Undo the screws on the bottom of the front panel.
2. First pull the front panel downwards and then forwards.
3. If necessary, release the rear connections:
   - ↳ Switch *Emergency stop* (optional)
   - ↳ On Off switch ("I O")
   - ↳ USB cable
   - ↳ Contact *Reset STB*
   - ↳ Protective conductor
   - ↳ Remove hand shower (optional)
4. Remove the front panel.

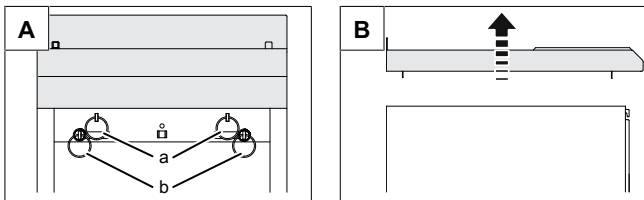### Removing the cover of the operating spar

Image: Removing the cover of the operating spar

a	Rear lock	b	Front locking

Prerequisite

Unit dead

Front panel of the operating spar removed

1. Lay the anti-scratch protection on the lid.

2. Open the rear lock and fix it in position.
   - ↳ To do this, pull the lock forwards then press it downwards until it engages.
3. Open the front lock and fix it in position.
   - ↳ To do this, press the lock inwards then press it downwards until it engages.
4. Carefully lift the cover upwards.
   - ↳ Do not apply any force, so that connected lines are not damaged.
5. Lay the cover onto the lid with the sides reversed.

Replace dual SSR Q100

According to wiring diagram Q100

Wiring harness 10020973	SSR Crydom CC48...	SSR Celduc SOB...
-X1:1	A+	A1+
-X1:2	A-	A2-
-X1:3	B+	B1+
-X1:4	B-	B2-
Use with	10011833 (green plug)	10032190 (black plug) 203671 (heat conducting foil)

Before Crydom CC48...

Prerequisite

Unit dead

1. Disconnect the green plug.
2. Disconnect the black wires on the installed SSR.
3. Unscrew four screws in the middle of both SSR.
4. Store screws.
5. Remove the heat sink downwards.
6. Remove the SSR downwards.
7. Place thermally conductive foil between supplied SSR and heat sink.
8. Press the heat sink with SSR upwards against the mounting plate and tighten the 2 screws.
9. Place the second SSR on the heat sink and tighten it with the 2 screws.
10. Attach black wires to new SSR.
11. Disconnect strands from green plug.
12. Fasten stranded wires in black connector according to wiring diagram.
13. Connect the black plug to the SSR.

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Before Celduc SOB...

Prerequisite

Unit dead

1. Unplug connector.
2. Disconnect the black wires on the installed SSR.
3. Unscrew four screws in the middle of both SSR.
4. Store screws.
5. Remove the heat sink downwards.
6. Remove the SSR downwards.
7. Place thermally conductive foil between supplied SSR and heat sink.
8. Press the heat sink with SSR upwards against the mounting plate and tighten the 2 screws.
9. Place the second SSR on the heat sink and tighten it with the 2 screws.
10. Attach black wires to new SSR.
11. Fasten stranded wires in black connector according to wiring diagram.
12. Connect the black plug to the SSR.

Replace single SSR Q110

According to wiring diagram Q110

Wiring harness 10020974	SSR Crydom CC48...	SSR Celduc SOB...
-X1:1	A+	A1+
-X1:2	A-	A2-
-X1:3	B+	10011833 X1:3
-X1:4	B-	10011833 X1:4
Use with	10011833 (green plug)	-

Before Crydom CC48...

Prerequisite

Unit dead

1. Disconnect the green plug.
2. Disconnect the black wires on the installed SSR.
3. Unscrew four screws in the middle of both SSR.
4. Store screws.
5. Remove the heat sink downwards.
6. Remove the SSR downwards.
7. Place thermally conductive foil between supplied SSR and heat sink.
8. Press the heat sink with SSR upwards against the mounting plate and tighten the 2 screws.

9. Place the second SSR on the heat sink and tighten it with the 2 screws.
10. Attach black wires to new SSR.
11. Disconnect 2 wires from green connector and attach directly to SSR according to wiring diagram.
12. Remaining strands remain in the green connector.

Before Celduc SOB...

Prerequisite

Unit dead

1. Disconnect strands at the installed SSR.
2. Disconnect black cables.
3. Unscrew four screws in the middle of both SSR.
4. Store screws.
5. Remove the heat sink downwards.
6. Remove the SSR downwards.
7. Place thermally conductive foil between supplied SSR and heat sink.
8. Press the heat sink with SSR upwards against the mounting plate and tighten the 2 screws.
9. Place the second SSR on the heat sink and tighten it with the 2 screws.
10. Attach black wires to new SSR.
11. Attach 2 stranded wires directly to SSR according to wiring diagram.

Concluding work

Attaching the cover of the operating spar

Prerequisite

Front panel of the operating spar removed

1. Release the catch and close the rear lock.
   ↳ To do this, pull the rear lock forwards then press it upwards and release it.
2. Release the catch and close the front lock.
   ↳ To do this, press the front lock forwards then press it upwards and release it.
3. Carefully place the cover on from above until it engages.
   ↳ Do not squash any connected lines.
   ↳ Do not apply any force.
   ↳ Make sure that the side wall is positioned correctly.
   ↳ Check that the locks are closed.

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Attaching the front panel of the operating spar

Prerequisite

Unit dead

Operating spar cover attached

1. If necessary, tighten rear connections.

    ↳ Switch *Emergency stop* (optional)

    ↳ On Off switch ("I O")

    ↳ USB cable

    ↳ Contact Reset STB

    ↳ Protective conductor

    ↳ Attaching the hand shower (optional)

2. First locate the front panel at the top and then press at the bottom.

    ↳ Ensure that no lines are pinched.

3. Push the front panel upwards.

4. Screw in the screws on the bottom of the front panel.

Function test

1. Switch on the unit.
2. Select cooking mood FlexiZone Frying.
3. For zone 1, set temperature 100 °C.
4. For zone 2, set temperature 130 °C.
5. For zone 3, set temperature 160 °C.
6. Wait for temperatures to be reached.
7. Switch off the unit.

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