Compatibility

Table of Combination

⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

Use appropriate power supplies with the exceptions noted in the following tables.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Quantum standalone power supplies cannot be combined together. List of Quantum standalone power supplies:

- 140CPS11100
- 140CPS21100
- 140CPS51100

Quantum summable power supplies combination:

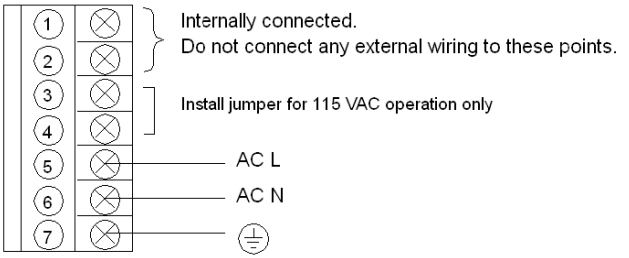
Combination with 1 power supply:	140CPS11420	140CPS11410	140CPS21400	140CPS41400
140CPS11420	Yes	Yes	No	No
140CPS11410	Yes	Yes	No	No
140CPS21400	No	No	Yes	Yes
140CPS41400	No	No	Yes	Yes

Quantum redundant power supplies combination:

Combination with 1 or 2 power supplies:	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

140 CPS 114 10 Wiring Diagram

Wiring Diagram



⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

- Use only compatible combinations of power supplies in the Quantum backplane as indicated in the following compatibility matrix.
- Remove line power from this module prior to insertion or removal.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

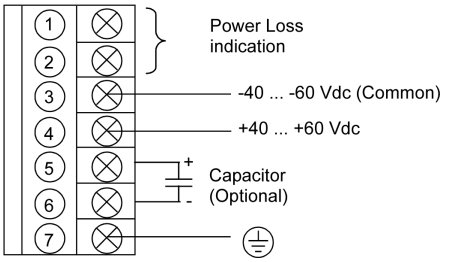
Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes

140 CPS 424 00 Wiring Diagram

Wiring Diagram Figure



NOTE: 1. A normally closed relay contact rated at 220 Vac, 6 A / 30 Vdc, 5 A is available on terminals 1 and 2 of the power terminal strip. This contact set may be used to signal input power OFF or a power supply loss.
2. Tolerance to input interruptions may be increased by adding a ≥ 85 Vdc electrolytic capacitor between terminals 5 and 6 on the power terminal strip. Refer to the hold-up capacitor timing chart for capacitor values in the specification *Input, page 294*
3. When field wiring the power supply module, the maximum wire size that should be used is 1 - 14 AWG (2 mm^2) or 2 - 16 AWG (1.5 mm^2).

⚠ WARNING

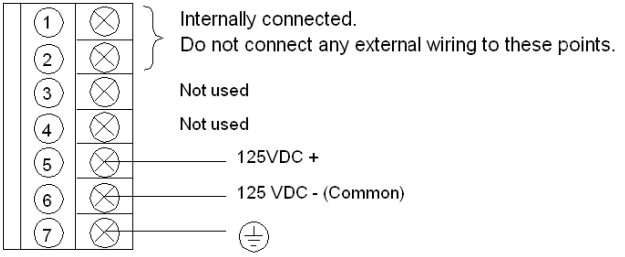
UNINTENDED EQUIPMENT OPERATION

- Use only compatible combinations of power supplies in the Quantum backplane as indicated in the following compatibility matrix.
- Remove line power from this module prior to insertion or removal.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

140 CPS 524 00 Wiring Diagram

Wiring Diagram Figure



NOTE: When field wiring the power supply module, the maximum wire size that should be used is 1 - 14 AWG (2 mm^2) or 2 - 16 AWG (1.5 mm^2).

⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

- Use only compatible combinations of power supplies in the Quantum backplane as indicated in the following compatibility matrix.
- Remove line power from this module prior to insertion or removal.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Compatibility Matrix

For proper operation, refer to this table:

Compatibility matrix					
Summable models	140CPS11420	140CPS11410	140CPS21400	140CPS41400	–
140CPS11420	Yes	Yes	No	No	–
140CPS11410	Yes	Yes	No	No	–
140CPS21400	No	No	Yes	Yes	–
140CPS41400	No	No	Yes	Yes	–
Redundant models	140CPS12420	140CPS12400	140CPS22400	140CPS42400	140CPS52400
140CPS12420	Yes	No	Yes	Yes	No
140CPS12400	No	Yes	No	No	Yes
140CPS22400	Yes	No	Yes	Yes	No
140CPS42400	Yes	No	Yes	Yes	No
140CPS52400	No	Yes	No	No	Yes