

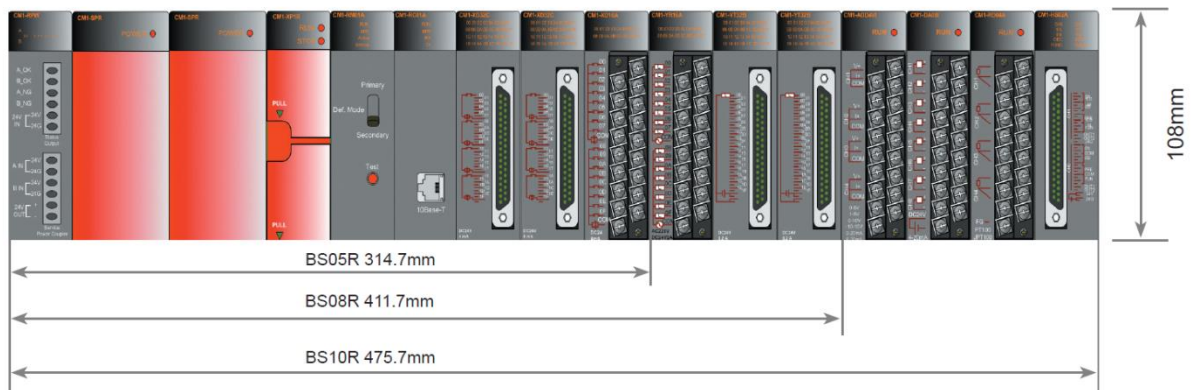


How to wire Redundancy Power Monitoring Module CM1-RPW?

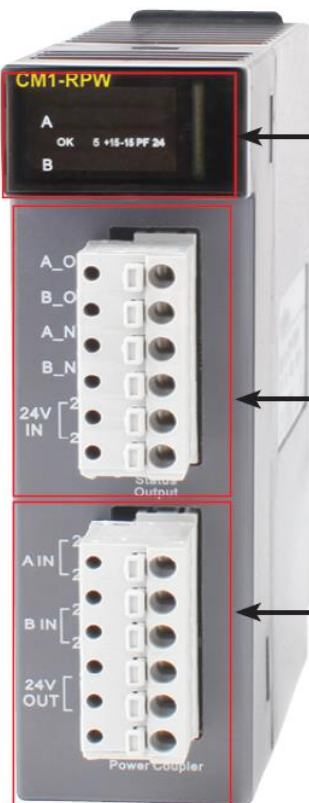


Refer to the wiring instructions below.

[Redundancy Configuration]



The Redundancy Power Monitoring Module (CM1-RPW) is the first module mounted on the front end of the above image. Using the contacts “A_OK, B_OK, A_NG, B_NG” on the CM1-RPW module allows you to check the power failure of the power module.



LED Status window

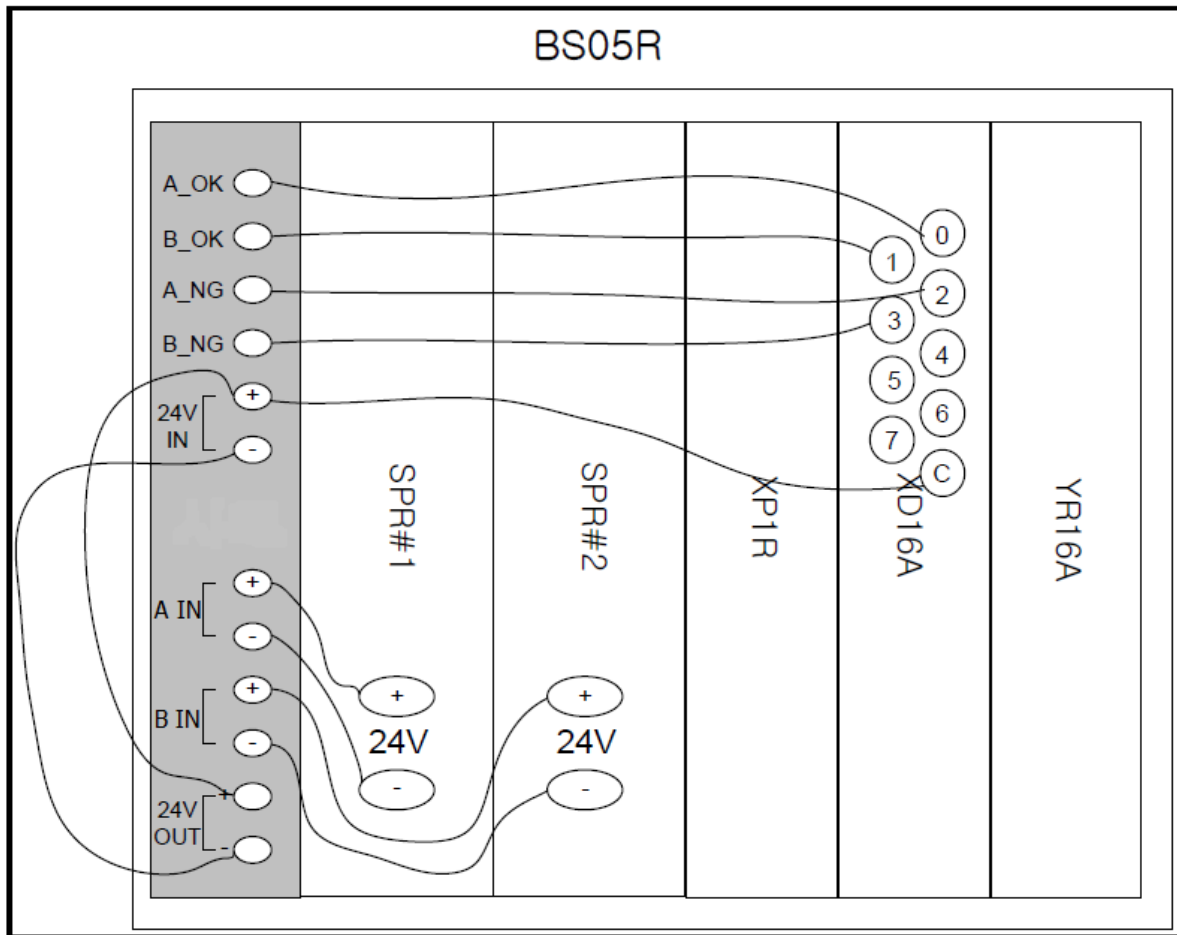
A Line = Status LEDs for Power “A”
 B Line = Status LEDs for Power “B”
 OK = ON when all powers are ok
 5 = ON when main power output is ok
 +15 = ON when analog power (+15V) is ok
 -15 = ON when analog power (-15V) is ok
 PF = ON when external power fails
 24 = ON when service power (24V) is ok
 (If there is any failure on each power the LED will blink)

Status output (1point 0.5A, 24V, TR Sink)

A_OK = ON when power_A is ok
 B_OK = ON when power_B is ok
 A_NG = ON when power_A fails
 B_NG = ON when power_B fails

Service power coupler for 24V Redundancy

[Wiring for CM1-RPW]



Four Contacts of the Status Output (A_OK, B_OK, A_NG, B_NG) are wired to the DC Input Module (XD16A). These wired contacts on the DC Input Module monitor the status of each power module.

Because A IN, B IN of the Service Power Coupler receives the 24V output from each power module (SPR#1 and SPR#2), the connecting part between 24V OUT and 24V IN is supported by redundancy even if one power module fails.

The reason for the same 24V wiring between 24V IN and COM of the Input module is to receive the output signals from the four contacts of the Status Output.