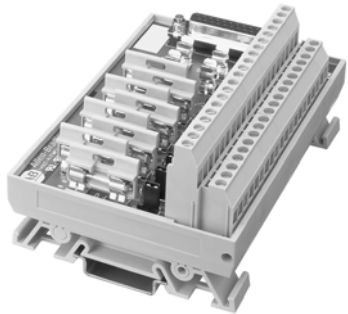# 1492-AIFMPI

Fusible 8-Input/2 Output Channels

Application Notes

1. **Compatibility —** To ensure proper operation with the I/O module, do **not** exceed the voltage and current ratings of the AIFM.

2. **Wiring —** Refer to the Label Section on page 174. For Field-Side Wiring Diagrams, refer to the Wiring System web site information on page 200.

3. **Fusing —** Two fuse holders for the outputs are included with the AIFM. Eight fuses (0.25 A, 5 x 20 mm) are included with the fused supply inputs. Do not exceed 2 A per output.

4. **Isolation —** The fuse clips and blown fuse indicators are internally connected to one power source field-side terminal. All inputs must reference the same power source.

5. **Jumpers —** J0…J7 provide the option of connecting the negative inputs to the return. J8 commons the shield to the return. Default switch position is OPEN/OFF/NOT jumpered together.

6. **Shield Terminals —** Eight field-side terminals are jumpered together on the AIFM and internally connected to the D-shell housing.

7. The 1492-AIFMPI is designed exclusively for the 1757-PIM module.

8. **Dimensions —** Refer to page 167.

Pinout

Refer to page 161.

1492-AIFMPI, Continued

Pinout, Continued

CHANNEL	○	⊠	
0	4 14	A1 +0 A2 −0	IN
1	3 15	A3 +1 A4 −1	IN
2	2 16	A5 +2 A6 −2	IN
3	1 17	A7 +3 A8 −3	IN
4	8 18	A10+4 A11−4	IN
5	7 19	A12+5 A13−5	IN
6	6 20	A14+6 A15−6	IN
7	5 21	A16+7 A17−7	IN

CN

TB

⊠ +

J0   CHANNEL 0

⊠ −

⊠ +

J7   CHANNEL 7

⊠ −

9 22 SHELL J8

⊠ B1
⊠ B3
⊠ B5
⊠ B7
⊠ B10
⊠ B12
⊠ B14
⊠ B16

SHIELD IN 0...7

⊠ A9 V0 RTN

TB

⊠ B9 V0 +24

F0   ⊠ B2
F1   ⊠ B4
F2   ⊠ B6
F3   ⊠ B8
F4   ⊠ B11
F5   ⊠ B13
F6   ⊠ B15
F7   ⊠ B17

+V FUSED 0-7

12 24   ⊠ B18 V1 +DC
25 F8   ⊠ B19 OUT 0
13 F9   ⊠ B20 OUT 1

⊠ A18 V1 RTN
⊠ A19 RTN OUT 0
⊠ A20 RTN OUT 1