

IFMs for Bulletin 1771 Digital 8-Point and 16-Point I/O Modules (Continued)

Description of 20-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1771-....																	
			IA	IA2	IA0	IB	IB0	IC0	IC0	IM0	IH	IN	IND	IT	OAO	OB0	OG0	OM0	OND	
8 Individually isolated 120V AC/DC with extra terminals for outputs	1492-IFM20F-FS-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with extra terminals and 24V AC/DC blown fuse LED indicators	1492-IFM20F-FS24-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Two 4-point isolated groups with four terminals/input and 24V AC/DC blown fuse LED indicators	1492-IFM20F-FS24A-4	—	—	—	T	—	—	—	—	T	T	—	T	—	—	—	—	—	—	
8 Individually isolated with extra terminals output, and 120V AC/DC blown fuse LED indicators	1492-IFM20F-FS120-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with four terminals/output and 120V AC/DC blown fuse LED indicators	1492-IFM20F-FS120-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Two 4-point isolated groups with four terminals/input and 120V AC/DC blown fuse indicators	1492-IFM20F-FS120A-4	—	T	T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with 4 terminals/output and 240V AC/DC blown fuse indicators	1492-IFM20F-FS240-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Relay Master (LED Indicating) ②③																				
20-pin master with eight (8) 24V DC relays	1492-XIM2024-8R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F,FF	—	—	—	
20-pin master with eight (8) 120V AC relays	1492-XIM20120-8R	—	—	—	—	—	—	—	—	—	—	—	—	—	F,FF	—	—	—	—	
20-pin master with sixteen (16) 120V AC relays	1492-XIM20120-16R	—	—	—	—	—	—	—	—	—	—	—	—	—	F,FF	—	—	—	—	
20-pin master with sixteen (16) 120V AC relays with fusing	1492-XIM20120-16RF	—	—	—	—	—	—	—	—	—	—	—	—	—	F,FF	—	—	—	—	
20-pin master relay with sixteen (16) 24V DC relays	1492-XIM2024-16R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F,F	—	—	—	
20-pin master with sixteen (16) 24V DC relays with fusing	1492-XIM2024-16RF	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F,F	—	—	—	
Relay Expander (LED Indicating) ②③																				
Expander with eight (8) 24V DC relays	1492-XIM24-8R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	②	—	—	—	
Expander with eight (8) 120V AC relays	1492-XIM120-8R	—	—	—	—	—	—	—	—	—	—	—	—	—	②	—	—	—	—	
Fusible Expander																				
8-channel expander with 24V DC blown fuse indicators	1492-XIMF-F24-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	②	—	—	—	
8-channel expander with 120V AC blown fuse indicators	1492-XIMF-F120-2	—	—	—	—	—	—	—	—	—	—	—	—	—	②	—	—	—	—	
Feed-through Expander																				
Expander with eight (8) feed-through channels	1492-XIMF-2	—	—	—	—	—	—	—	—	—	—	—	—	—	②	②	—	—	—	
① Either F or FF. ② One expander is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to connect it to the master. ③ Cables are available in standard lengths of 0.5 m 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number 005 = 0.5 m (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m), and insert the letter in the box. Example: Catalog Number 1492-CABLE050A is for a 5.0 m cable, and the letter A. ④ This IFM is not recommended for use with PLC I/O modules that have an off-state leakage current exceeding 0.5 mA. Use a 1492-IFM20D120N or 1492-IFM20D120A-2 for inputs. Use 1492-IFM20D120-2 for outputs. ⑤ The voltage rating is relay control/coil voltage. For Relay Contact Ratings, refer to page 192. ⑥ The LED indicates the PLC output status. ⑦ Compatible Removable Terminal Block (RTB) plug; 1492-RTB20N (screw style terminals) or 1492-RTB20P. ORDER PLUGS SEPARATELY. ⑧ Compatible Removable Terminal Block (RTB) plug; 1492-RTB10N (screw style terminals) or 1492-RTB10P. ORDER PLUGS SEPARATELY.																				

Bulletin 1771 PLC-5 IFMs and Cables, Continued

IFMs for Bulletin 1771 Digital 16-Point Isolated and 32-Point I/O Modules ③

Description of 40-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1771-...															
			IAN	IBN	ID16	IQ16	IVN	OAN	OBN	OD16	ODD	OC16	OVN	OW16	OWN	OWNA	scIM16Ⓞ	scOM16Ⓞ
Feed-through																		
Standard 132V AC/DC Max.	1492-IFM40F	1492-RIFM40FⓈ	J	J	M	M	K	L	L	M	M	M	L	R	L	L	—	M
Extra terminals (2 per I/O) 132V AC/DC Max.	1492-IFM40F-2	1492-RIFM40F-2Ⓢ	J	J	—	—	K	L	L	—	—	—	L	R	L	L	—	—

Note: Footnotes are on the following page.

IFMs for Bulletin 1771 Digital 16-Point Isolated and 32-Point I/O Modules (Continued)⑥

Description of 40-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1771-...															
			IAN	IBN	ID16	ID16	IVN	OAN	OBN	OD16	ODD	OD16	OVN	OW16	OWN	OWNA	scIM16⑥	scOM16⑥
3-wire sensor type input devices 60V AC/DC Max.	1492-IFM40F-3	—	—	J	—	—	K	—	—	—	—	—	—	—	—	—	—	—
LED Indicating																		
Standard with 24V AC/DC LEDs	1492-IFM40D24	1492-RIFM40D24⑥	—	J	—	—	K	—	L	—	—	—	L	—	L	L	—	—
24V AC/DC LEDs and extra terminals for outputs	1492-IFM40D24-2	—	—	—	—	—	—	—	L	—	—	—	L	—	L	L	—	—
24V AC/DC LEDs and extra terminals for inputs	1492-IFM40D24A-2	1492-RIFM40D24A-2⑥	—	J	—	—	K	—	—	—	—	—	—	—	—	—	—	—
120V AC LEDs and extra terminals for outputs	1492-IFM40D120-2	—	—	—	—	—	L	—	—	—	—	—	—	—	L	L	—	—
120V AC LEDs and extra terminals for inputs	1492-IFM40D120A-2	—	J	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3-wire sensor with 24V AC/DC LEDs	1492-IFM40D24-3	—	—	J	—	—	K	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 24/48V AC/DC LEDs and 4 terminals/output	1492-IFM40DS24-4	—	—	—	—	—	—	—	—	—	—	M	—	—	—	—	—	—
16 Individually isolated with 24V AC/DC LEDs and 4 terminals/input	1492-IFM40DS24A-4	—	—	—	—	M	—	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 120V AC LEDs and 4 terminals/output	1492-IFM40DS120-4	—	—	—	—	—	—	—	M	M	—	—	—	—	—	—	—	M
16 Individually isolated with 120V AC LEDs and 4 terminals/input	1492-IFM40DS120A-4	—	—	—	M	—	—	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 240V AC LEDs and 4 terminals/input	1492-IFM40DS240A-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	M	—	—
Fusible																		
120V AC/DC with extra terminals for outputs	1492-IFM40F-F-2	—	—	—	—	—	L	L	—	—	—	L	—	L	L	—	—	—
Extra terminals with 24V AC/DC blown fuse indicators for outputs	1492-IFM40F-F24-2	1492-RIFM40F-F24-2⑥	—	—	—	—	—	—	L	—	—	—	L	—	L	L	—	—
Extra terminals with 120V AC/DC blown fuse indicators for outputs	1492-IFM40F-F120-2	—	—	—	—	—	L	—	—	—	—	—	—	L	L	—	—	—
16 Individually isolated with extra terminals for 120V AC DC outputs	1492-IFM40F-FS-2	—	—	—	—	—	—	—	M	M	M	—	R71 ⑥	—	—	—	M	—
Individually isolated with extra terminals and 24V AC/DC blown fuse indicators for outputs	1492-IFM40F-FS24-2	—	—	—	—	—	—	—	—	—	M	—	R71 ⑥	—	—	—	—	—
16 Individually isolated with 24V AC/DC blown fuse indicators and 4 terminals/output	1492-IFM40F-FS24-4	—	—	—	—	—	—	—	—	—	M	—	—	—	—	—	—	—
16 Individually isolated 240V AC/DC with 4 terminals/output	1492-IFM40F-FS-4	—	—	—	—	—	—	—	—	—	M	—	—	—	—	—	—	—
16 Individually isolated with extra terminals and 120V AC/DC blown fuse indicators for outputs	1492-IFM40F-FS120-2	1492-RIFM40F-FS120-2⑥	—	—	—	—	—	—	M	M	—	—	R71 ⑥	—	—	—	M	—
16 Individually isolated with 120V AC/DC blown fuse indicators and 4 terminals/output	1492-IFM40F-FS120-4	1492-RIFM40F-FS120-4⑥	—	—	—	—	—	—	M	M	—	—	—	—	—	—	M	—
16 Individually isolated with 240V AC/DC blown fuse indicators and 4 terminals/output	1492-IFM40F-FS240-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	M	—
16 Individually isolated with 24V AC/DC blown fuse indicators and 4 terminals/input	1492-IFM40F-FS24A-4	—	—	—	M	—	—	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 120V AC/DC 4 terminals/input	1492-IFM40F-FSA-4	—	—	—	M	M	—	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 120V AC/DC blown fuse indicators and 4 terminals/input	1492-IFM40F-FS120A-4	1492-RIFM40F-FS120A-4⑥	—	—	M	—	—	—	—	—	—	—	—	—	—	—	—	—
16 Individually isolated with 240 VAC/DC blown fuse indicators and 4 terminals/input	1492-IFM40F-FS240A-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relay Master (LED Indicating) ⑥⑦																		
40-pin master with eight (8) 24V DC relays	1492-XIM4024-8R	—	—	—	—	—	—	L	—	—	—	—	—	—	—	—	—	—
40-pin master with sixteen (16) 24V DC relays	1492-XIM4024-16R	1492-RXIM4024-16R⑥	—	—	—	—	—	L	—	—	—	—	—	—	—	—	—	—
40-pin master with sixteen (16) 24V DC relays with fusing	1492-XIM4024-16RF	—	—	—	—	—	—	L	—	—	—	—	—	—	—	—	—	—
Relay Expander (LED Indicating) ⑥⑦																		
Expander with eight (8) 24V DC relays	1492-XIM24-8R	1492-RXIM24-8R⑥	—	—	—	—	—	①	—	—	—	—	—	—	—	—	—	—
Expander with eight (8) 120V AC relays	1492-XIM120-8R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fusible Expander																		
8-channel expander with 24V DC blown fuse indicators	1492-XIMF-F24-2	—	—	—	—	—	—	①	—	—	—	—	—	—	—	—	—	—

IFMs for Bulletin 1771 Digital 16-Point Isolated and 32-Point I/O Modules (Continued)⑥

Description of 40-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1771-...															
			IAN	IBN	ID16	IQ16	IVN	OAN	OBN	OD16	ODD	OD16	OVN	OW16	OWN	OWNA	scIM16④	scOM16④
8-channel expander with 120V AC blown fuse indicators	1492-XIMF-F120-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Expander with sixteen (16) 24V DC relays with fusing	1492-XIM24-16RF	—	—	—	—	—	—	—	②	—	—	—	—	—	—	—	—	—
Feed through Expander																		
Expander with eight (8) feed-through channels	1492-XIMF-2	—	—	—	—	—	—	—	①	—	—	—	—	—	—	—	—	—

- ① Two or three expanders are connected to a master to provide a total of 32 outputs max (depends on PLC module). An extender cable is included with each expander to connect it to the master.
- ② One 1492-XIM24-16RF is to be used with one 1492-XIM4024-16R AND 1492-XIM4024-16RF master (32 PT. only).
- ③ Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number 005 = 0.5 m (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m), and insert the letter in the box. Example: **Catalog Number 1492-CABLE025J** is for a 2.5 m cable, and the letter J.
- ④
- ⑤ Cable Catalog Number 1492-CAB⑤ has the N.O. contacts only connected.
- ⑥ The voltage rating is relay control/coil voltage. For Relay Contact Ratings, refer to page 192.
- ⑦ The LED indicates the PLC output status.
- ⑧ Compatible Removable Terminal Block (RTB) plug; 1492-RTB20N (screw style terminals) or 1492-RTB20P. ORDER PLUGS SEPARATELY.
- ⑨ Compatible Removable Terminal Block (RTB) plug; 1492-RTB17N (screw style terminals) or 1492-RTB17P. ORDER PLUGS SEPARATELY.
- ⑩ Compatible Removable Terminal Block (RTB) plug; 1492-RTB14N (screw style terminals) or 1492-RTB14P. ORDER PLUGS SEPARATELY.
- ★ Compatible Removable Terminal Block (RTB) plug; 1492-RTB12N (screw style terminals) or 1492-RTB12P. ORDER PLUGS SEPARATELY.

Bulletin 1771 PLC-5 IFMs and Cables, Continued

These **pre-wired cables** have a wiring arm on one end to connect to the front of a Bulletin 1771 digital I/O module and a connector on the other end to plug into a 20- or 40-terminal IFM/XIM. You must first select the IFM/XIM from one of the preceding selection tables

Pre-Wired Cables for Bulletin 1771 Digital I/O Modules

Cable Cat. No.	Standard Cable Lengths	Build-to-Order Available	No. of Conductors	Mating 1771 I/O Modules Catalog Number
1492-CABLE①F	0.5, 1.0, 2.5, 5.0 m	Yes	20	1771-IAD, -IBD, -ICD, -IGD, -IND, -OAD, -OBD, -OGD, -OMD, -OND, -IMD
1492-CABLE①FF	0.5, 1.0, 2.5, 5.0 m	Yes	20	1771-OAD, -OBD, -OND
1492-CABLE①J	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-IAN, -IBN
1492-CABLE①K	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-IVN
1492-CABLE①L	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-OAN, -OBN, -OVN, -OWN, -OWNA
1492-CABLE①M	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-ID16, -IQ16, -OD16, -ODD, -OQ16, -SCIM16, -SCOM16
1492-CABLE①R	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-OW16
1492-CAB①R71②	0.5, 1.0, 2.5, 5.0 m	Yes	40	1771-OW16
1492-CABLE①T	0.5, 1.0, 2.5, 5.0 m	Yes	20	1771-IA, -IA2, -IB, -IH, -IN, -IT

- ① Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-CABLE005M** is for a 0.5 m cable that could be used to connect a Catalog Number 1492-IFM40F IFM to a Catalog Number 1771-ODD I/O module.
- ② Cable Catalog Number 1492-CAB①R71 has only the N.O. contacts connected.

Note: Footnotes are on the following page.