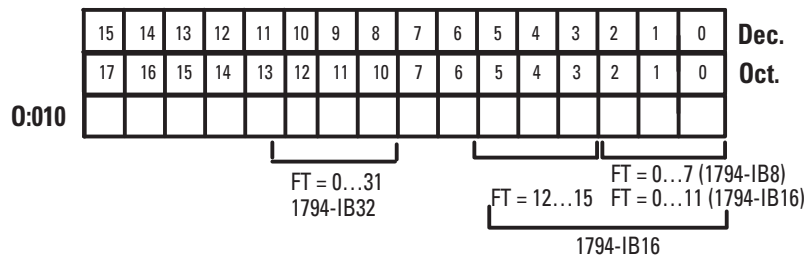
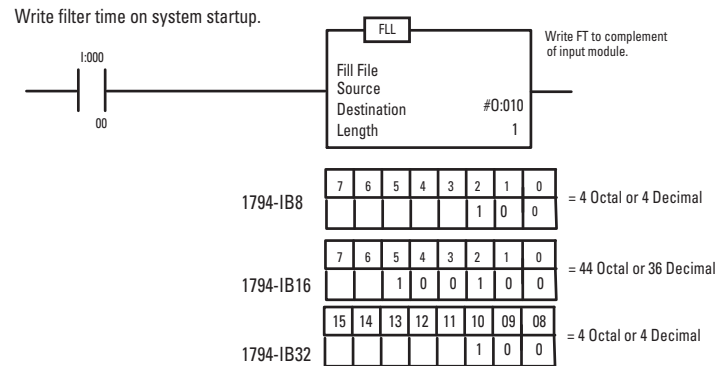


Set the Input Filter Time

To set the input filter time, set the associated bits in the output image table (complementary word) for the module.



For example, to increase the Off-to-On filter time to 4 ms for all inputs at address rack 1, module group 0 (using 1794-IB32, 1794-IB32K as an example), set the following bits and program.



See [Table 6](#) for other bit settings.

Table 6 - Input Filter Time

Bits			Description	Filter Time
02	01	00	Filter Time for inputs 0...7 (1794-IB8)	1794-IB8, 1794-IB16, 1794-IB32, 1794-IB32K
02	01	00	Filter Time for inputs 0...11 (1794-IB16)	
05	04	03	Filter Time for inputs 12...15 (1794-IB16)	
10	09	08	Filter Time for inputs 0...32 (1794-IB32, 1794-IB32K)	Off to On/On to Off
0	0	0	Filter Time 0 (Default)	0.25 ms
0	0	1	Filter Time 1	0.5 ms
0	1	0	Filter Time 2	1 ms
0	1	1	Filter Time 3	2 ms
1	0	1	Filter Time 4	4 ms
1	0	1	Filter Time 5	8 ms
1	1	0	Filter Time 6	16 ms
1	1	1	Filter Time 7	32 ms

Specifications

Specifications - 1794-IB8

Attribute	Value
Number of inputs	8, current, sinking
Recommended terminal base unit	1794-TB3, 1794-TB3S, 1794-TB3K, 1794-TB3SK, 1794-TBKD, 1794-TB37DS
On-state voltage	
Min	10V DC
Nom	24V DC
Max	31.2V DC
On-state current	
Min	2.0 mA
Nom	8.0 mA
Max	12.0 mA
Off-state voltage, max	5.0V DC
Off-state current, max	1.5 mA
Nominal input impedance	4.6 kΩ
Isolation voltage	50V (continuous), Basic Insulation Type Type tested @ 850V DC for 60 s, between field side and system No isolation between individual channels
Flexbus current	20 mA @ 5V DC
Power dissipation, max	3.5 W @ 31.2V DC
Thermal dissipation, max	11.9 BTU/hr @ 31.2V DC

Specifications - 1794-IB16

Attribute	Value
Number of inputs	16, current, sinking
Recommended terminal base unit	1794-TB3, 1794-TB3S, 1794-TB3K, 1794-TB3SK, 1794-TBKD, 1794-TB37DS
On-state voltage	
Min	10V DC
Nom	24V DC
Max	31.2V DC
On-state current	
Min	2.0 mA
Nom	8.0 mA
Max	12.0 mA
Off-state voltage, max	5.0V DC
Off-state current, max	1.5 mA
Nominal input impedance	4.6 kΩ
Isolation voltage	50V (continuous), Basic Insulation Type Type tested @ 707V DC for 60 s, between field side and system No isolation between individual channels
Flexbus current	30 mA @ 5V DC
Power dissipation, max	6.1 W @ 31.2V DC
Thermal dissipation, max	20.8 BTU/hr @ 31.2V DC

Specifications - 1794-IB32 and 1794-IB32K

Attribute	Value
Number of inputs	32, current, sinking
Recommended terminal base unit	1794-TB32, 1794-TB32S, 1794-TB62DS, 1794-TB62EXD4X15
On-state voltage	
Min	19.2V DC
Nom	24V DC
Max	31.2V DC