



Product Type: Controllers

Reference: AN2059
Date: March 16, 2007

PMT Input Debounce

EXAMPLE:

(This operation is used to debounce the PMT input signal to compensate for a noisy input signal.)
The example is for PMT 1 and 2 inputs with 0.5 seconds of debounce. It can be easily expanded or changed to include other preemptors and different debounce times.

Program the Windows Application controller as follows:
Phasing and operation as desired
Program LP statement as follows for the desired Preemptor debounce times

Program the Logic Processor

MM-1-8-2 Program LP steps 101 - 104 as follows:

LP 101 (PMT 1 Debounce)

IF PREEMPT INPUT 1 IS ON
AND PREEMPT ACTIVE 1 IS ON

THEN SET LOGIC FLAG 1 ON

LP 102 (PMT 1 Debounce)

IF PREEMPT INPUT 1 IS OFF
AND LOGIC FLAG 1 IS ON

THEN SET CIB CODE ON 288
DELAY FOR 0.5 SECONDS
SET LOGIC FLAG 1 OFF

LP 103 (PMT 2 Debounce)

IF PREEMPT INPUT 2 IS ON
AND PREEMPT ACTIVE 2 IS ON

THEN SET LOGIC FLAG 2 ON

LP 104 (PMT 1 Debounce)

IF PREEMPT INPUT 2 IS OFF
AND LOGIC FLAG 2 IS ON

THEN SET CIB CODE ON 289
DELAY FOR 0.5 SECONDS
SET LOGIC FLAG 2 OFF
LP 103 (Phase 1 Red Arrow)



Product Type: Controllers **PMT Input Debounce**

Reference: AN2063
Date: March 7, 2007

Program the Extended Option Enables (ASC.ext file)

```
CONFIG=DEMO  
0,101,102,PMT 1 0.5 SECONDS DEBOUNCE  
0,103,104,PMT 2 0.5 SECONDS DEBOUNCE
```

Transfer the ASC.db and ASC.EXT file to the ASC/3 controller

Enable the extended options as required in MM-2-6-2