



Product Type: Controllers

Reference: AN2053
Date: March 16, 2007

Dilemma Zone Detection

This application note is for phase 2. It can be modified for any phase by changing the phase and detector numbers

When in phase 2 green:

- 1) A vehicle enters det #21 and starts det #21 extension timer.
- 2) If the vehicle enters det #22 before det #21 extension timer times out a call is entered and phase green is extended by det #22 extension time plus phase vehicle extension time (DET EXTEND TIME + VEH EXT TIME).
- 3) If the vehicle enters det #22 after det #21 extension timer has timed out: A call is not entered until after det #1 delay timer has timed out.
- 4) Det #21 enters no calls.

Not in phase 2 green:

- 1) Det #22 is a Type 0 (Normal) detector.
- 2) Det #21 enters no calls.

 MM-1-8-1: Disable ("D") LP step X
 Where "X" is an open LP step 1-100

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

 LP X
 IF DETECTOR 21 IS ON
 AND GREEN ON PHASE 2 IS ON

 THEN SET LOGIC FLAG X ON

 ELSE SET LOGIC FLAG X OFF

 LP X+1
 IF LOGIC FLAG X IS ON
 AND DETECTOR 22 IS ON
 OR GREEN ON PHASE 2 IS OFF

 THEN SET VEH DET 17-32 21 OFF

 ELSE SET VEH DET 17-32 21 OFF
 SET VEH DET 17-32 22 OFF

MM-1-8-1: Enable ("E") LP step X