

Naztec Version 50 Software

Training Unit 2B
TS2 Type 2 Configuration and Setup



TS2 OPERATING TYPES

- TS2 Type 1
 - Provides a high speed serial data link (SDLC) that interfaces the controller, cabinet, conflict monitor (MMU) and detector rack
 - Serial data is converted to separate inputs and outputs through a BIU (bus interface unit)
- TS2 Type 2
 - Adapts the newer TS-2 controller and MMU to a TS-1 cabinet using the A-B-C connectors defined in the TS-1 specification.
 - TS-2 does not define a separate D-connector; however, the Naztec 980 controller provides a D-connector option for backward compatibility with existing systems



TS2 TYPE 2 – I/O MODES

- Pin connections for the A-B-C connectors are given in section 3.4.5.1 of the TS2 specification
- Eight modes are defined by the TS2 standard to provide I/O typically provided through a D-connector. These modes are selected by grounding three status bits A, B and C as per TS2 specification 3.4.5.2 – 17)
- If these inputs are not grounded, the operation defaults to Mode 0 where the A-B-C connectors are defined as TS1 (typically used when a Type 2 controller is used in a TS1 cabinet with an existing D-connector)
- The external inputs can also be overridden through the “IO Mode” unit parameter (see MM->1->2->, last entry)



D-CONNECTOR I/O MAPPING

- Selecting the 'D' connector mapping is done using the Channel Parameters screen.
 - This screen is accessed by the following sequence:
Main Menu (MM) -> 1 -> 3 -> 3
 - Use TX2-V14 mapping for standard preempt and count inputs



CABINET FLASH INPUT SELECTION

- The cabinet flash input can be selected from using the following key sequence:
 - MM->1->4->1 and changing the input source from D-CONN (D connector) to TEST-A or TEST-B inputs



OPERATING/PHASE MODE SELECTION

- The Operating Mode is selected when the controller is initialized. Turn the “Run Timer” OFF (MM->1->7) and select one of the following modes from MM->8->4:
 - NONE – writes zero values into entire database
 - STD-8ø – standard 8 phase / dual ring operation
 - DIAMOND – Texas Diamond Controller Specification
- The Phase Mode is selected from the Unit Parameters screen (MM->1-> 2 -> 1):
 - STD8 - standard 8 phase / dual ring operation
 - USER - use this if more than 8 phases or 2 rings are desired
 - Qseq – phases 1 / 2 / 3 / 4 / 7 / 8 in ring 1
 - 8Seq – all 8 phases in ring 1
 - DIAM - Texas diamond controller phasing

