

Bailey network 90®

Digital Logic Station

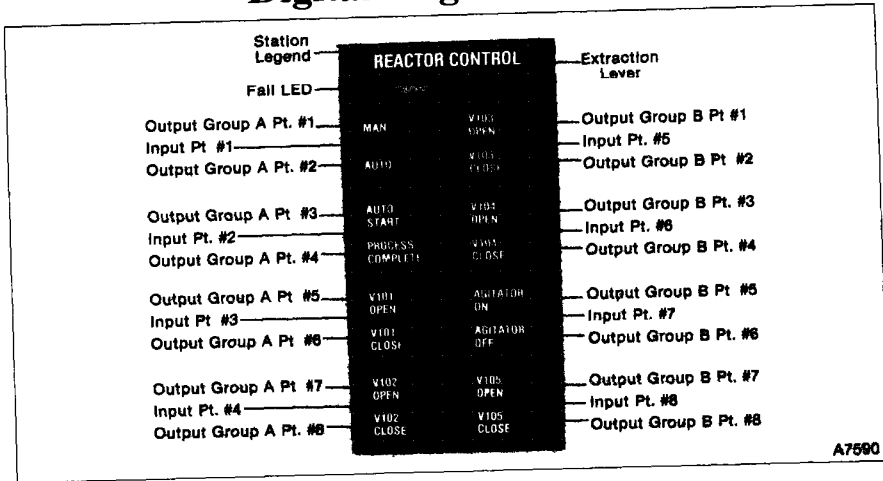


FIGURE 1 Digital Logic Station.

The Digital Logic Station (DLS) shown in Figure 1 is a pushbutton and indicator station to be used as operation I/O to the Logic Master Module on NETWORK 90® applications. It provides 8 switch inputs, 16 LED outputs, and LED status indicator on its front panel. The Digital Logic Station communicates with the Logic Master Module through a Digital Slave Module (NDSM01) and the Termination Unit (NTLS01). Up to eight Digital Logic Stations may be connected to a single Digital Slave Module.

The Digital Logic Station may be panel mounted in its own mounting box. Its cables are connected to a Termination Unit in the PCU which in turn is cable connected to the associated Digital Slave Module.

Each Digital Logic Station (DLS) interfaces with one group of eight input points and two groups of eight output points of a Logic Master Module. This means one DLS will occupy three of the I/O groups. The input pushbuttons and output LEDs are arranged as shown in Figure 1. The sixteen outputs drive LED indicators on the

Digital Logic Station front panel. The eight inputs are received from pushbuttons on the front panel of the DLS.

Figure 2 illustrates typical interconnections between the Digital Logic Station, Termination Unit and the Module Mounting Unit.

Features

- Complete operational control capability in one station
- 8 digital switch inputs for digital logic applications
- LED status indicator

Bailey Controls

Product Specification

E93-904-1

Specifications

- No cabinet wiring required — plug-n cable connect on
- Standard 72 x 144 mm DIN panel mounting
- Multiple station capability

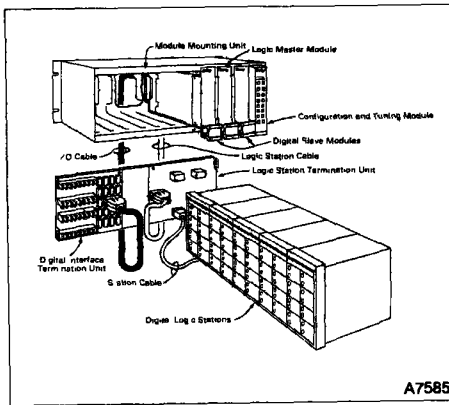


FIGURE 2 Digital Logic Station Interfacing (Logic Master Module)

System Interface	Direct cable connect on (NKDS01 or NKDS04) to the Digital I/O Slave Module (NDSM01) thru the Logic Station Termination Unit (NTLS01)																						
Displays and Controls	8 pushbutton switches 16 LEDs and LED status indication																						
Power	24 V dc at 0.19 A (4.6 watts) nominal and at 0.28 A (7.5 watts) maximum																						
Pin Connections	<table border="1"> <thead> <tr> <th>Pin</th> <th>+24 V dc Power</th> </tr> </thead> <tbody> <tr> <td>P n 2</td> <td>Common</td> </tr> <tr> <td>P n 3</td> <td>Common</td> </tr> <tr> <td>P n 1</td> <td>D0 P n 10 A0</td> </tr> <tr> <td>P n A</td> <td>D1 P n 11 A1</td> </tr> <tr> <td>P n 4</td> <td>D2 P n 12 A2</td> </tr> <tr> <td>P n 5</td> <td>D3 P n 13 A3</td> </tr> <tr> <td>P n 6</td> <td>D4 P n 14 A4</td> </tr> <tr> <td>P n 7</td> <td>D5 P n 15 RE</td> </tr> <tr> <td>P n 8</td> <td>D6 P n P WE</td> </tr> <tr> <td>P n 9</td> <td>D7 P n R DE</td> </tr> </tbody> </table>	Pin	+24 V dc Power	P n 2	Common	P n 3	Common	P n 1	D0 P n 10 A0	P n A	D1 P n 11 A1	P n 4	D2 P n 12 A2	P n 5	D3 P n 13 A3	P n 6	D4 P n 14 A4	P n 7	D5 P n 15 RE	P n 8	D6 P n P WE	P n 9	D7 P n R DE
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Physical Aspects:																							
Size	Face plate 72 mm by 144 mm																						
Mounting	Standard mounting as part of panel board instrumentation																						
Markings	Standard engraving for legend control and display features																						
Certification	CSA Certified as process control equipment for use in ordinary (non hazardous) locations																						
Environmental Specifications	Standard environmental specifications for the system are applicable (reference CE93 900) subject to mounting and optional restrictions																						

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE