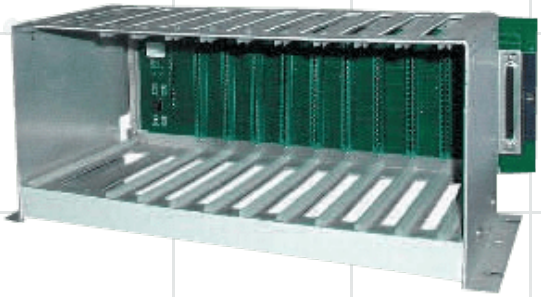
EAGLE®
Traffic Control Systems

Cabinet Detector Racks

DATA SHEET





DESCRIPTION

The Cabinet Detector Rack provides housing and circuitry for one (1) BIU and up to 16 channels of detection (eight (8) two-channel or four (4) four-channel detector cards).

The Cabinet Detector Rack is programmable for any of the four (4) TS2 defined detector rack addresses. A 37-pin connector is attached to the printed circuit board for designated inputs/outputs.

Other models are available with 4 channels of optical detection and external vehicle detector inputs.

CDR100
16 channel, 8 position rack
Requires ABW12062P008 (8 ft) or ABW12062P010 (10 ft) cable
Dimensions: 14.6” W x 5.4” H x 7.5” D

CDR101
8 channel, 4 position rack
Requires ABW12303P006 (6 ft) or ABW12303P001 (7.5 ft) cable
Dimensions: 9.8” W x 5.9” H x 7.1” D

AAD12047P001
16 channel, 10 position rack
Requires ABW12062P008 (8ft) or ABW12062P010 (10ft) cable
Optional ABW12047P002 allows for 4 additional channels of preempt detection (and Opticom compatibility)
Optional ABW12047P001 allows for momentary push button detector call capability (Opticom, Tomar, or standard preempt compatible)
Dimensions: 17” W x 5.9” H x 7.1” D

CDR CONNECTOR PIN ASSIGNMENT

CDR100

Pin	Function
1	Detector 1/2, Loop 1 - A
2	Detector 1/2, Loop 1 - B
3	Detector 1/2, Loop 2 - A
4	Detector 1/2, Loop 2 - B
5	Detector 1/2, Loop 3 - A
6	Detector 1/2, Loop 3 - B
7	Detector 1/2, Loop 4 - A
8	Detector 1/2, Loop 4 - B
9	Detector 3/4, Loop 1 - A
10	Detector 3/4, Loop 1 - B
11	Detector 3/4, Loop 2 - A
12	Detector 3/4, Loop 2 - B
13	Detector 3/4, Loop 3 - A
14	Detector 3/4, Loop 3 - B
15	Detector 3/4, Loop 4 - A
16	Detector 3/4, Loop 4 - B
17	Detector 5/6, Loop 1 - A
18	Detector 5/6, Loop 1 - B
19	Detector 5/6, Loop 2 - A
20	Detector 5/6, Loop 2 - B
21	Detector 5/6, Loop 3 - A
22	Detector 5/6, Loop 3 - B
23	Detector 5/6, Loop 4 - A
24	Detector 5/6, Loop 4 - B
25	Detector 7/8, Loop 1 - A
26	Detector 7/8, Loop 1 - B
27	Detector 7/8, Loop 2 - A
28	Detector 7/8, Loop 2 - B
29	Detector 7/8, Loop 3 - A
30	Detector 7/8, Loop 3 - B
31	Detector 7/8, Loop 4 - A
32	Detector 7/8, Loop 4 - B
33	+ 12 volts D.C.
34	Logic Common
35	+ 24 volts D.C.
36	Line Frequency Reference
37	Equipment Ground

*Only channels 1-16 and 33-34 are available for use with the CDR101 rack

ABW12047P001

Pin	Function
1	Channel 1 Call
2	Channel 2 Call
3	Channel 3 Call
4	Channel 4 Call
5	Channel 5 Call
6	Channel 6 Call
7	Channel 7 Call
8	Channel 8 Call
9	Channel 9 Call
10	Channel 10 Call
11	Channel 11 Call
12	Channel 12 Call
13	Channel 13 Call
14	Channel 14 Call
15	Channel 15 Call
16	Channel 16 Call

ABW12047P002

Pin	Function
1	**
2	**
3	**
4	1A Detector
5	+24 #1
6	1A Out (C)
7	1B Detector
8	DC- #1
9	**
10	2A Detector
11	+24 #2
12	2A Out (C)
13	2B Detector
14	DC- #2
15	1B Out (C)
16	2B Out (C)
17	1A Out (E)
18	1B Out (E)
19	2A Out (E)
20	2B Out (E)

**Not Used

Detector Loop Hook-Up Panel (PC Board)	
AAD14972P001	16 Channel Hook-Up Panel
ABW14503P0XX*	16 Channel Loop Harness
ABW14665P0XX*	Opticom Harness

Note: Other special Loop Hook-Up Panels are available. Please contact your representative.
*XX = Length in feet of cable

SDLC Cable/Hook-Up Panel (PC Board)	
ABW14652P0XX*	SDLC Harness
AAD14753P003	6 Position
AAD14753P001	8 Position

*XX = Length in feet of cable