

B r o a d A c c e s s

Installation Instructions

ALARM-PNL Panel

Description

The ALARM-PNL panel provides visible indication of the alarm status. Each ALARM-PNL panel can be connected to up to six BroadAccess systems. The alarms are indicated according to categories and severities, each of which is indicated by a separate LED. The LEDs are mounted on an electronic card, and six such cards may be installed on the panel.

The ALARM-PNL panel can be wall mounted or installed in a 19" rack. It is connected to the BroadAccess CU through an MDF using the OPN-ALPxx open cable.



Figure 1. ALARM-PNL Panel Installed on the Wall

Related Documentation

- BroadAccess Link, Service and Alarm Cables Connection Guide
- BroadAccess Configuration Guide
- BroadAccess Maintenance Guide

Compatibility

The ALARM-PNL panel is compatible with BroadAccess Ver 40 systems.

Indicators

The ALARM-PNL panel has six groups of indicators. Each group indicates the alarm status of one of the systems, using the following five indicators:

Table 1. Indicators

Indicator	Color	Status	Indication
CRITICAL	Red	Critical alarm	Refer to the <i>BroadAccess Maintenance Guide</i> for information on alarm type.
MAJOR	Orange	Major alarm	
MINOR	Yellow	Minor alarm	
EXTERNAL	Yellow	External alarm	Refer to the <i>BroadAccess Configuration Guide</i> and the <i>BroadAccess Maintenance Guide</i> for information on external alarms.
OK	Green	OK	The ALARM-PNL panel is connected and operating properly

Tools Required


The following tools are needed for installation of the ALARM-PNL panel.


- Hammer drill
- Phillips screwdriver
- Drill bit, 6 mm
- Cutter
- Marking pencil
- Spirit level

Parts Required

Table 2. Parts Required for Wall Mounting

#	P/N	Item	Quantity
1	HA06/THR30	Plastic dowels	4
2	HP50/0001M	Miniature cable ties	7
3	HS42/1P032	Screw M4	4

 **Caution:** Before installing the ALARM-PNL panel on the wall, check that the wall is suitable (i.e. NOT plaster, soft brick, etc.) and that its surface is sufficiently straight and smooth.

 **Note:** Numbered items in parenthesis refer to the items in Table 2.

Installation

1. Separate the ALARM-PNL enclosure from the front panel by unscrewing the four screws that connect them.

2. Position the ALARM-PNL enclosure next to the wall at the desired installation location. Use a spirit level to ensure that the enclosure is level.
3. Using a pen or pencil, make wall marks showing the positions of each of the four holes in the corners of the rear panel of the ALARM-PNL enclosure.
4. Drill four holes in the wall at the positions marked at a depth of 3-4 cm, using a 6 mm drill bit.
5. Insert the plastic wall dowels (item 1) in the holes.
6. Attach the enclosure to the wall using screws (item 3). Ensure that the semi-circular openings in the enclosure (shown in Figure 2) are positioned on the bottom side.
7. Connect the cables to the bottom of the enclosure using tie wraps (shown in Figure 2). The tie wraps should be located 15 cm below the connectors.



Note:

Ensure that you connect each cable to the relevant system.

8. Fasten the D-Type 24-pin connector to the card which is pre-installed on the front panel (as shown in Figure 2).

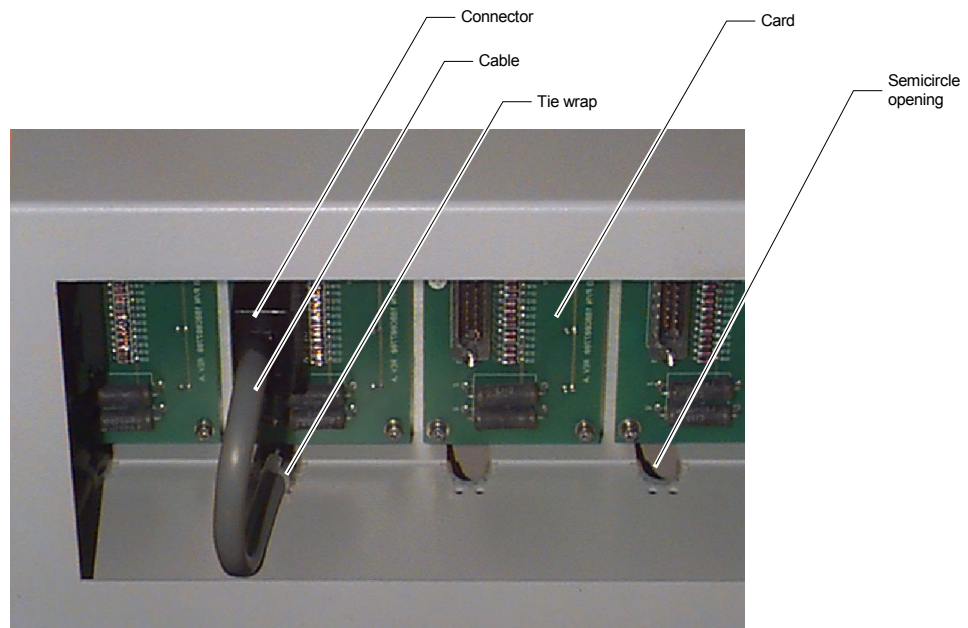


Figure 2. Rear of ALARM-PNL enclosure and front panel, displaying location of

9. Re-connect the ALARM-PNL front panel to the enclosure using the four pre-installed screws and plastic washers.

OPN-ALPXX¹ Wiring

Table 3 describes the wiring of the OPN-ALPXX¹ to the MDF and to the CU backplane.

Cross connect the wire shown in Column A to the corresponding wire in Column B. Column C shows the wire pair color for reference purposes.

Table 3. OPN-ALPXX¹ Wiring

Signal Name	Electronic Card Connector Pin	OPN-ALPXX ¹ Cable Wire Color ²	Pin in Backplane Connector P17	OPN-ALMCxx Cable Wire Color ² /Backplane P17 Pin #	OPN-ALM ² Wire Pair (for reference only) /Backplane P17 Pin #	Connection to Power Signal
CRI_1	23	GR	15	WH / 15	GY / 33	
CRI_2	10	WH				
MAJ_1	21	GY	13	WH / 13	BL/OR / 31	
MAJ_2	8	WH				
MIN_1	19	BL-OR	9	WH / 9	WH/OR / 27	
MIN_2	6	WH				
EXT_1	17	BL-BR	10	WH / 10	BL/GY / 28	
EXT_2	4	WH				
			14	WH / 14	WH/BL / 32	GND
			12	WH / 12	BL/GR / 30	GND
			28	BL/GY / 28	WH / 10	GND
			27	WH/OR / 27	WH / 9	GND
-48V_1	25	BL				-48V
-48V_2	12	WH				-48V
-48V_3	24	OR				-48V
-48V_4	11	WH				-48V
OK_1	15	OR-WH				GND
OK_2	2	WH				
CRI_3	22	BR				
CRI_4	9	WH				
MAJ_3	20	BL-WH				
MAJ_4	7	WH				
MIN_3	18	BL-GR				
MIN_4	5	WH				
EXT_3	16	BL-GY				
EXT_4	3	WH				
OK_3	14	OR-GR				
OK_4	1	WH				

¹XX is a number that represents the length of the cable in meters

²WH=White, YE=Yellow, BL=Blue, OR=Orange, GR=Green, BR=Brown, GY=Gray