IDP-LB1 LOOP BOOSTER

Section: Repeaters and Mimic Panels

KEY FEATURES

- ***Expands the capacity of 'alarm' devices on loop***
- ***Compatible with Notifier Fire Control Panels ID5X/6X series v. 5.04 software and ID2000/3000 v. 4.20 software***
- ***Addressed as a module, in the range 01 to 99***
- ***Self-contained standby batteries***
- ***Two section enclosure allowing first fixing separate from electronics and front cover***
- ***The Loop Booster has LEDs to indicate:***
  - ✓ ***Main power on***
  - ✓ ***Loop Address polling active***
  - ✓ ***Loop Isolator open on loop in either direction***
  - ✓ ***Loop voltage below 16V***
  - ✓ ***Fault Condition***

GENERAL

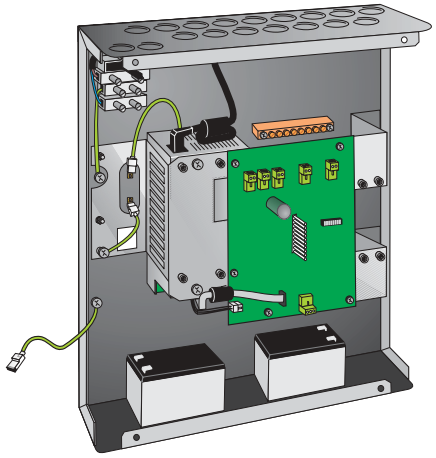
The Loop Booster has been designed to provide extra power to a loop to power additional loop powered devices, especially high current drawing 'alarm' devices such as loop powered sounders and strobes. As an addressable device a number of loop boosters can be added to a loop within the normal addressable range (01 to 99). It is recommended that no more than 2 loop boosters be added to any particular loop.

The provision of Loop Boosters allows extensions to existing systems without fear of collapsing the loops.

Please note that the relevant software versions, are available free of charge: the ID5X/6X series, version 5.04 on the Notifier Fire Systems website: www notifierfiresystems.co.uk, Distributors/ ESD News/Software. For the ID2000/ID3000 version 4.20 is available by ordering part number: 020-664 through Notifier RSMs.

The Loop Booster has been designed to be connected to mains power (230VAC) and with two 12V, 12 Ahr sealed lead-acid batteries provides up to 72 hours standby. Please note that that only this size of battery is suitable.

If the loop booster battery charging voltage falls below 21V, the batteries are disconnected automatically to prevent damage.



INSTALLATION

The loop booster pcb and PSU3A power supply should be removed before the back box is installed.The hole centres and dimenstions of the back box are as shown overleaf.

SPECIFICATIONS

- ***Dimensions***

✓ Width: 380mm

✓ Height: 365mm

✓ Depth: 106 mm (with cover in place)

- ***Environmental Limits***

✓ Operating Temperature:	-5°C to +45°C
✓ Humidity:	5% to 95% R.H.
✓ Vibration:	EN60068-2-6, 10-150 Hz at 0.981m/s²
✓ EMC	Emissions EN50081-1
	Immunity EN50130-4
✓ Safety	EN60950

- ***Electrical Conditions (PSU3A)***

✓ Input Voltage	230Vac, ±15%, 48-63Hz
✓ Maximum current consumption:	1.6A.

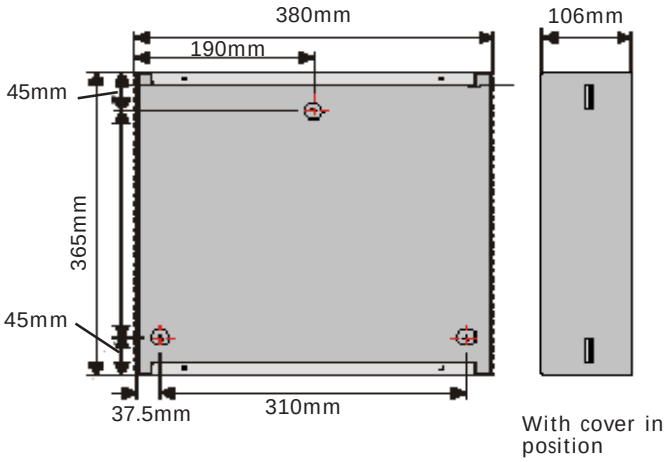
- ***Battery Charger Output Ratings (PSU3A)***

✓ Battery voltage when charged:	27.3V at 20°C
✓ Charger current	2.2A

- ***Loop Current***

✓ Quiescent (no faults)	1.0mA.
✓ Quiescent (maximum)	6.7mA*.

* In alarm the loop booster ***supplies*** current to the loop (peak 1.5A)



With cover in position

ORDERING INFORMATION

Part No.	***Description***
002-629	IDP-LB1 Loop Booster
Spares	
020-751	Loop Booster (replacement pcb kit)
020-648	PSU3A replacement power Supply Unit.

Wiring Diagram