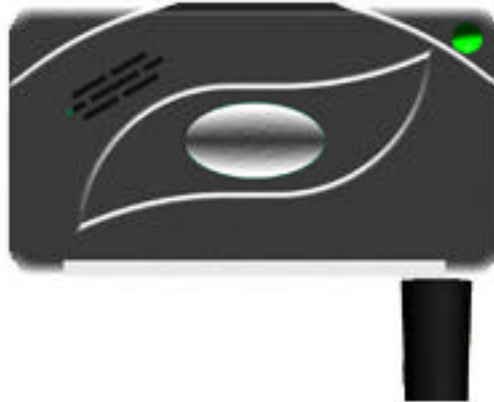


POS108 User Manual V 1.0A



POS108 Cash Drawer Alarm option

The POS108 provides Retailers peace of mind with their employees. Thru selectable options, the POS108 can notify employees with an electronic buzzer if a cash drawer is left open for more then 20 seconds. The electronic buzzer can be selected to stay on for 60 second or stay on until all the drawers are closed. Most IBM, Star, Epson, Citizen and other compatible POS printers support two cash drawers but only provide one drawer connection. The unique design of the POS108 provides the retailer the option of connecting two cash drawers to one POS printer without the use of special cables. The POS108 also uses the same RJ12 cash drawer port off the POS printer for its power. No external power adaptors is required See Figure 1 for the Connection illustration. Note that Push Button on the POS108 has no effect on any Cash Drawer Alarm options.

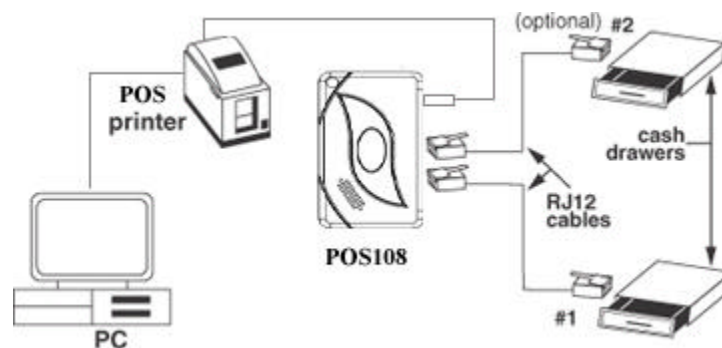


Figure 1: POS108 connection illustration for multiple cash drawers to one POS printer.

POS108 Printer Alarm option

The POS108 can also sound an electronic buzzer at the end of a printed receipt. The POS108 is ideal for restaurant kitchen or bar order printers and other service industries. It uses the same RJ12 cash drawer port off the printer for its power. The electronic buzzer is triggered by the cash drawer pulse function of the printer. No cash drawer is required. Two selectable options are available for the Printer Alarm. A four second Alarm is sounded when the receipt and the drawer trigger option is printed. This Alarm can be silenced by pressing the Push Button located on the front of the POS108. See Figure 3.

Another printer Alarm option is that an Alarm is sounded when a receipt and the drawer trigger option is printed. This Alarm will stay on until the Push Button is pressed to silence the Alarm. See Figure 3 for Push Button Location.

This configuration is available on most IBM, Star, Epson, Citizen and other compatible POS printers. See Figure 2 for configuration.

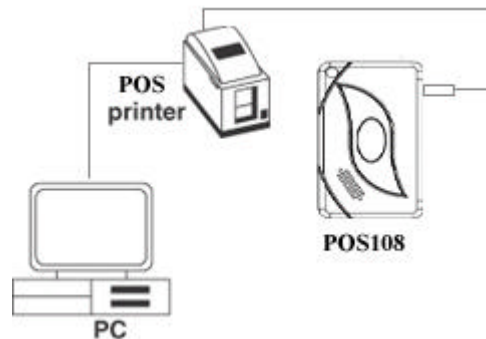


Figure 2: POS108 connection illustration for Printer Alarm to POS printer.

The POS 108 also splits the cash drawer port of the POS printer to support 2 cash drawer port connections. (Only if the POS printer supports 2 cash drawers. See required pin out for POS cash drawer port Figure 4 and Table 3). The POS108 has Built-in Push Button and status LED. See Figure 3.

Compact and easy to mount, these units are ideal for restaurants, bars, retail and other service industry applications. Some of the features of POS108 include, a dual RJ12 female connector, status led, no external power supply required (power is provided by the printer) and a 1-year limited warranty for parts and Labor.

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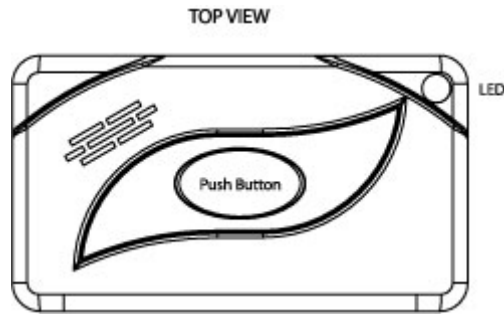


Figure 3: POS108 Push Button and Led

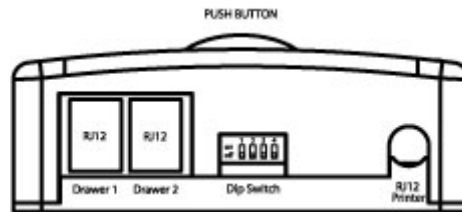


Figure 4: POS108 Connection Panel Layout

Description:	SW # 1	SW# 2
Drawer Alarm option 1, Alarm will sound when cash drawer is left open for 20 sec, Alarm will sound for 60 seconds and shut off. (DEFAULT)	ON	ON
Drawer Alarm option 2, Alarm will sound when cash drawer is left open for 20 sec, Alarm will sound until drawer is closed.	ON	OFF
Printer Alarm option 1, Alarm will sound for only 4 seconds when the trigger for any drawer is sensed. (no cash drawer is required) Push Button to Silence Alarm.	OFF	ON
Printer Alarm option 2, Alarm will sound when the trigger for any drawer is sensed. (no cash drawer is required) Push Button to Silence Alarm.	OFF	OFF

Table 1: POS108 Dip Switch Option Definition

Description:	SW # 3	SW # 4
PRINTER: Star, Citizen, Epson or Equivalent POS Printer. Frame GND on RJ12 is PIN 1 (DEFAULT)	ON	OFF
PRINTER: IBM 4610 or Equivalent POS Printer. Frame GND on RJ12 is PIN 6.	OFF	ON
DO NOT USE THIS SETTING	ON	ON
DO NOT USE THIS SETTING (Unit may not work)	OFF	OFF

Table 2: POS108 Dip Switch Printer Type Option Definition

Pin Number	Drawer # 1 Signal Name	Drawer # 2 Signal Name	Direction
1	Frame Ground	Frame Ground	Ground
2	Drawer # 1 Sink Signal	Drawer # 2 Sink Signal	Input
3	Open Drawer Switch source pull up voltage	Open Drawer Switch source pull up voltage	PU Power
4	+ 24 VDC	+ 24 VDC	Power
5	Drawer # 2 Sink Signal	Drawer # 1 Sink Signal	Input
6	Open Drawer Status Switch	Open Drawer Status Switch	Input

Table 3: RJ12 Drawer 1 and Drawer 2 pin out

The drawer solenoid is connected to + 24 VDC and to the Drawer Sink Signal. Typically pins 2 & 4 is used for drawer # 1. The Drawer Status Switch is connected to an Open Drawer Switch source pull up voltage and the switch is closed only when the cash drawer is OPEN, typically pins 3 & 6. Special Note: The drawer trigger # 2 for most POS Printers connects to the solenoid using Pin 4 & 5. Since most cash drawers are wired to only use Pin 2 & 4, The POS108 is designed to support the same type of cash drawer in both Cash drawer port # 1 & # 2 See table 3 for pin out for both ports.

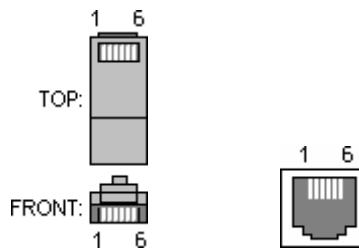


Figure 9: RJ12 Connector Pin out for Drawer Cable and POS108 Connector 1&2

Note: The electronic Buzzer in the POS108 is powered POS printer RJ12 port. A flashing LED indicates that an event is active (Drawer is Open or in a Timing Loop).

POS108 Printer power consumption is less then 100 mAmps. Unit weight 100 gm. Operating Temperature Range 0C to 70C with 10% - 90% Relative Humidity, Electronic Buzzer 3.5 – 4.5 KHZ 90 db @ 1 M

Note: This equipment has been tested and found to comply with the limit for a class A digital device, pursuant to part 15 of the FCC rule. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.