

JFK International Airport Parking Attendant Panic Alarm

Problem:

JFK Airport has 3 Parking Payment Plazas with several Parking Payment booths in each plaza. Each Payment Booth has a panic button reporting over individual dedicated phone lines to a central alarm-reporting consul at the Airport police dispatch center.

There were 78 panic buttons and 78 leased dedicated-telephone lines. The airport was paying the local telephone company over 40 dollars per line, per month. Additionally there were many false alarms and troubles due to the phone company frequently repairing the lines to correct problems due to age, water in the conduits and new construction demands.

Digitize Solution:

The Digitize solution was to connect all the panic buttons in a plaza, to a centrally located Digitize DGM- 32 Data Gathering Panel. The DGM-32 will accept up to 32 EOL inputs from the panic buttons. Each plaza's panic alarms can then be multiplex over a single dedicated phone line to the police dispatch center. This innovative solution reduced the amount of dedicated phone lines, being used from 78 to 75, there-by saving the airport over \$3,000.00 per month.

Benefits:

1. The airport was able to recoup the cost of the new equipment, in approximately 18 months.
2. There is a substantial reduction in the amount of false alarms due to maintenance problems.
3. The police respond to alarms knowing that it is a need for their presence.
4. The Airport like our solution so much that we are now recommend for other projects at the airport, such as:
 - a. The airport wide fire alarm monitoring system, which is currently under development
 - b. Added recommendations to Newark Airport, to monitor the terminal panic alarms and the heart-defibrillator alarms.