

Norstar / BCM Analog Trunk Port Doorphone

For Norstar/BCM Analog Trunk Port

Doorphones are frequently used in residences, access and business shipping doors, hospitals, prisons, airports, casinos, schools, or any environment that requires safe communication with a visitor or client.

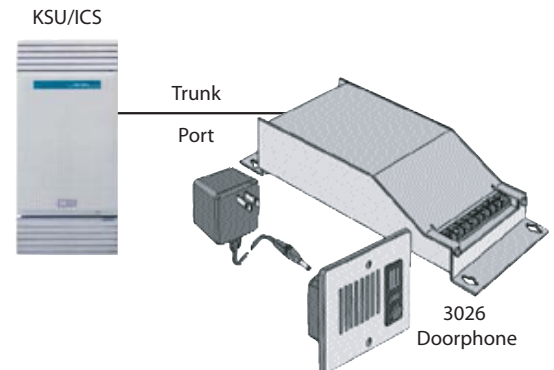
Frequently, doorphones are connected to video monitoring systems and door or gate control systems for remote entry permission. Algo manufactures a variety of doorphones in stand-alone and rack-mount configurations, station port and trunk port, and with varying degrees of vandal resistance.

In this application, the 3026 Doorphone connects to an unused (spare) analog trunk port and appears to the telephone system as an outside CO line. The Doorphone provides talk battery and ring voltage to the telephone system. Each 3026 Doorphone requires its own analog trunk port.

Visitors can press the call button on the door station causing the control unit to ring into the trunk port. The ring cadence and number of rings can be selected. Any telephone(s) on the system can be assigned to ring when the doorphone calls. When the call is answered, visitors can talk hands-free to the tenant. Also, at any time the doorphone trunk can be selected at a telephone and a conversation initiated without the need for the call button being pressed.

Visitors can be allowed entry through an electric gate or door by dialing "6" on the telephone while talking to the visitor. (This requires a customer-provided electric gate or door control.)

The door station requires 2 wire pairs to the control unit (maximum 1000 feet 24 awg), and 1 wire pair is required between the control unit (includes power supply) and KSU/ICS (maximum 3000 feet). The door control relay is provided from the control unit.



Requirements:

- Spare Analog Trunk
- 3026 Trunk Port Doorphone
- Pre-wire

NOTE:

Nortel Networks offers the BST Doorphone (AO618970), which connects to a digital station port on the Norstar KSU/ICS or BCM system. Products for door opening control are also available from Nortel Networks.

This application note is intended for Norstar systems with no spare digital station ports.