



Minelec Limited

M69-100-900

TELEPHONE INTERFACE FOR
RINGMASTER RM5000
INTERCOM SYSTEM

RM5000 TELEPHONE INTERFACE C/W DAY/NIGHT SWITCHING FACILITY

Description

The M69 100 900 provides an Interface between the telephone network and the RM5000 Intercom system. The interface is designed to make calls from any intercom station to the telephone network and to provide integral Day/Night switching capability. An external (user supplied) keyswitch is required for Day/Night operation.

Operation:

Outgoing calls:

When Day mode is selected, any activated Intercom call is automatically routed to the Collector Intercom and when Night mode is selected the call is routed to the external telephone system. The required dial number is stored within the Interface and programming can be made either locally or remotely depending upon the desired method of operation. In Night mode, once called, the interface will answer the call, obtain dial tone from the telephone system, and then issue the stored autodial number to the telephone exchange. Ringing is heard over the activated intercom until the called party answers.

Any outgoing call *must* be disconnected by a telephone system loop disconnect when the called Party disconnects.

Incoming calls:

If configured, incoming calls can only be accepted for programming purposes and intended to change the stored autodial number.



RM5000 TEL. INTERFACE

Installation:

Connection to the RM5000 is the same as any other intercom station...connect pins 1,2,3 and 4 to the supplied RJ11 terminal block and then plug-in a modular cord to the **Intercom** Interface RJ11C connector.

Use another modular cord to plug the telephone line to the RJ11C **Line** connector on the interface. The telephone line must be a two wire, loop start, 600 ohm analogue circuit.

The device is desk mount or wall mount (using an optional mounting bracket) housed in a mild steel case.

Architects and Engineers Specifications

The RM5000 Telephone Interface shall be a Minelec M69 100 900 or approved equal. The primary function shall be the ability to connect the RM5000 system to a 2 wire loop start, 600 ohm analogue telephone line as well as the Collector Station and Day/Night switch. Autodial capability shall be provided to allow the interface to dial any 12 digit DTMF telephone number. The Interface shall accept either local or remote programming and the stored DTMF number shall be displayed when requested. On Power up, the stored DTMF number shall be automatically displayed on the front panel LED. Battery backed memory is not acceptable for stored number retention. Day/Night transfer relays shall be provided within the Interface.

The Interface shall be 5.25"L x 3.75"W x 1.75"H and weigh 0.4Kg. Power requirements shall be 50ma in operation. An operating voltage of 22-27vdc shall be used The Interface shall have a frequency range of 300-3200Hz. and shall operate over a temperature range of 32 -80 deg. F. Automatic disconnect shall be provided by the telephone in response to a loop disconnect of 250ms. or greater. The Interface shall display the status of the Transfer switch, Intercom call in progress and system operation.